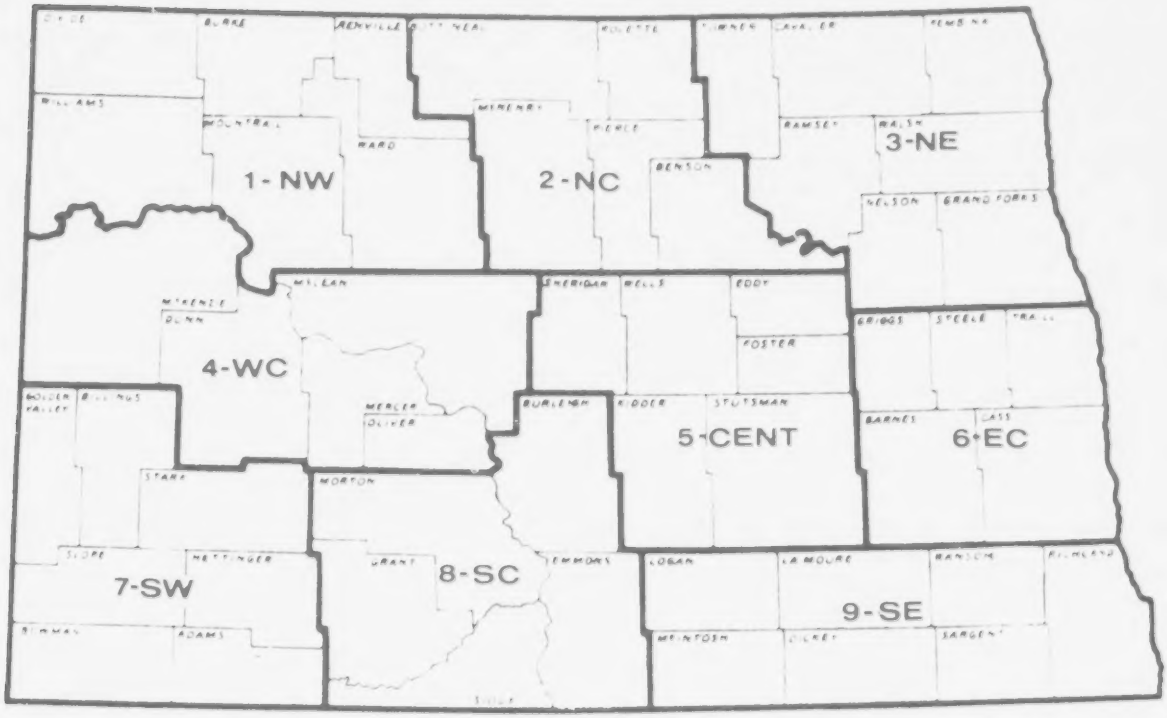
NORTH DAKOTA

CROP REPORTING DISTRICTS



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NORTH DAKOTA

AGRICULTURAL STATISTICS

1984

NORTH DAKOTA CROP & LIVESTOCK REPORTING SERVICE

Federal Building
Fargo, ND 58108

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Issued
Cooperatively
By

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U.S. DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE

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North Dakota
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Livestock
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U.S. Department of Agriculture
Statistical Reporting Service

Cooperating
North Dakota State University
Agricultural Experiment Station
Dept. of Agricultural Economics

June 1982

Dear Agricultural Data User:

It is a pleasure to present this 37th Annual Summary of "North Dakota Agricultural Statistics, 1982" continuing a series which dates back to 1945. It is the 53rd such publication published by this office including other special issues such as historic county estimates, 5-year revisions, and agricultural prices. A reference to issues in this historic series containing county estimates is on the inside of the back cover.

This is a comprehensive report of farm statistics for North Dakota including estimates by counties for major crops and livestock. It also includes information on crop production, livestock numbers, farm income, prices, weather, grain shipments and Federal crop insurance data. County crop acreage, yield and production figures as well as county livestock inventory numbers for major items are included.

A big special "THANK YOU" from all of us to the thousands of North Dakota farmers, ranchers and agri-business people who voluntarily report essential basic data for making these estimates. The information contained in this publication would not be possible without their most gracious and devoted service. The help of county extension agents, their staff, as well as other University, State and Federal agencies is also appreciated.

Collection and publication of these data have been made possible through the cooperative efforts of the Statistical Reporting Service, U.S.D.A., and North Dakota State University. Data were compiled by the staff of the North Dakota Crop and Livestock Reporting Service. Funds for reproduction were provided by the Agricultural Experiment Station, Department of Agricultural Economics, and Cooperative Extension Service of N.D.S.U. Other contributers include the National Weather Service, North Dakota State Wheat Commission, American Malting Barley Association, Inc., Quaker Oats Company, The Upper Great Plains Transportation Institute and the Public Service Commission.

Estimates are based on information collected from producers and agribusiness establishments. Much of the data are obtained from voluntary reports obtained through mail surveys. Probability sampling techniques are also utilized. All of the agriculture is accounted for within sample segments of land randomly selected throughout the State. These segments represent a certain portion of the total land which enables the data to be expanded to State estimates.

Samples are also selected from a list of farm operations, "Universe List". State indications are obtained by expanding the sample data. Operations found in the land area frame sample mentioned above are also checked against the names on the list. Those not found are used to measure the incompleteness of the "List". Objective counts and measurements from sample plots in durum and other spring wheat fields are also used in estimating yields.

OTHER REPORTS AVAILABLE:

-- N.D. "Farm Reporter" (Bi-weekly)
-- Weekly "Crop-Weather" Report
-- Custom Rates Report

Call us at (701) 237-5771, Ext. 306, or write P.O. Box 3166, Fargo, North Dakota 58108, for an order form.

Robert F. Carver

Robert F. Carver
Statistician in Charge

INTRODUCTORY STATISTICS

NORTH DAKOTA'S RANK AMONG STATES

RANK OF COUNTIES

FARM INCOME

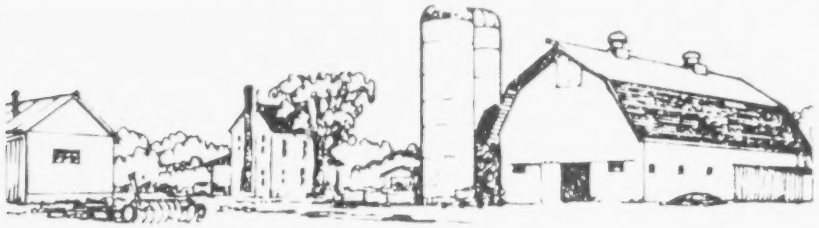
REAL ESTATE

WEATHER

Summary of

NORTH DAKOTA'S RANK IN AGRICULTURE

NORTH DAKOTA'S 1983 CROP RANK AMONG STATES



North Dakota Ranks...		North Dakota Produces... (Percent of Nation)
1st in	Durum Wheat	74%
	Other Spring Wheat	38%
	Barley	24%
	Sunflower	76%
	Flaxseed	69%
2nd in	All Wheat	8%
	Rye	18%
	Navy Beans	13%
	Pinto Beans	25%
3rd in	Oats	13%
	Total Cropland	6%
	Area Planted to Principal Crops	6%
4th in	Sugarbeets	11%
	All Dry Beans	11%
5th in	Potatoes	6%
9th in	Alfalfa Hay	4%
	All Other Hay	4%
10th in	All Hay	4%

THE 10 LEADING STATES AND NORTH DAKOTA'S RANK

Item	1	2	3	4	5	6	7	8	9	10	North Dakota's Rank	Percent of Nation
CROP PRODUCTION - 1983												
Corn for Grain	Iowa	Ill.	Nebr.	Minn.	Ind.	Ohio	Wisc.	Mich.	Tex.	S.Dak.	21	1
Corn for Silage	Wisc.	N.Y.	Minn.	Iowa	Nebr.	Pa.	Mich.	Calif.	Ohio	Colo.	21	2
Winter Wheat	Kans.	Tex.	Wash.	Okla.	Colo.	Nebr.	Mont.	Mo.	Ill.	Oreg.	33	*
Durum Wheat	N.Dak.	Calif.	Ariz.	Mont.	S.Dak.	Minn.	--	--	--	--	1	74
Other Spring Wheat	N.Dak.	Minn.	Mont.	S.Dak.	Idaho	Wash.	Colo.	Oreg.	Utah	Wyo.	1	38
All Wheat	Kans.	N.Dak.	Wash.	Tex.	Okla.	Mont.	Colo.	Nebr.	Idaho	S.Dak.	2	8
Oats	S.Dak.	Minn.	N.Dak.	Wisc.	Iowa	Tex.	Pa.	Mich.	Ohio	Nebr.	3	13
Barley	N.Dak.	Mont.	Idaho	Wash.	Minn.	Calif.	S.Dak.	Colo.	Oreg.	Utah	1	24
Rye	S.Dak.	N.Dak.	Minn.	Ga.	Nebr.	Okla.	Mich.	Pa.	Tex.	N.C.	2	18
Flaxseed	N.Dak.	S.Dak.	Minn.	--	--	--	--	--	--	--	1	69
Potatoes	Idaho	Wash.	Maine	Oreg.	N.Dak.	Calif.	Wisc.	Colo.	Minn.	N.Y.	5	6
Sugarbeets	Minn.	Calif.	Idaho	N.Dak.	Mich.	Nebr.	Mont.	Tex.	Wyo.	Colo.	4	11
Soybeans	Iowa	Ill.	Minn.	Ind.	Ohio	Mo.	Ark.	La.	Nebr.	Miss.	20	1
Pinto Beans	Colo.	N.Dak.	Idaho	Nebr.	Wyo.	Kans.	Minn.	Wash.	Utah	Mont.	2	25
Dry Edible Beans, All	Mich.	Calif.	Nebr.	N.Dak.	Idaho	Colo.	Minn.	Wash.	Wyo.	N.Y.	4	11
Sunflower, Oil	N.Dak.	S.Dak.	Minn.	Tex.	—	—	—	—	—	—	1	75
Sunflower, Non-oil	N.Dak.	Minn.	S.Dak.	—	—	—	—	—	—	—	1	91
Sunflower, All	N.Dak.	S.Dak.	Minn.	Tex.	—	—	—	—	—	—	1	76
Alfalfa Hay & Mixtures	Wisc.	Minn.	Calif.	S.Dak.	Nebr.	Iowa	Idaho	Mich.	N.Dak.	Kans.	9	4
All Other Hay	Tex.	Mo.	N.Y.	Nebr.	Okla.	Pa.	S.Dak.	Kans.	N.Dak.	Ky.	9	4
All Hay	Wisc.	Minn.	Nebr.	S.Dak.	Tex.	Calif.	Iowa	Mo.	N.Y.	N.Dak.	10	4
Total Acreage of Principal Crops Harvested	Iowa	Ill.	Kans.	N.Dak.	Minn.	Tex.	Nebr.	S.Dak.	Mo.	Ind.	4	6
LIVESTOCK ON HAND - JAN. 1, 1984												
All Cattle & Calves	Tex.	Nebr.	2/	2/	Okla	Mo.	Calif.	Wisc.	S.Dak.	Minn.	17	2
Cows That Have Calved												
Milk	Wisc.	Calif.	N.Y.	Minn.	Pa.	Ohio	Mich.	Iowa	Tex.	Mo.	29	1
Beef	Tex.	Mo.	Okla.	Nebr.	S.Dak.	Mont.	Kans.	Iowa	Fla.	Tenn.	12	3
All Hogs - Dec. 1, 1983	Iowa	Ill.	Minn.	Ind.	Nebr.	Mo.	N.C.	Ohio	S.Dak.	Kans.	24	*
Stock Sheep & Lambs	Tex.	Wyo.	Calif.	S.Dak.	Utah	N.Mex.	Mont.	Colo.	Idaho	Oreg.	15	2
Sheep & Lambs on Feed	Colo.	Calif.	Tex.	Oreg.	Wyo.	Iowa	Nebr.	S.Dak.	N.Mex.	Kans.	12	3
Cattle & Calves on Feed	Tex.	Nebr.	Kans.	Iowa	Colo.	Calif.	Ill.	Ariz.	Minn.	S.Dak.	27	*
All Chickens, Dec. 1983	Calif.	Ga.	Ind.	Pa.	Ark.	N.C.	Tex.	Ala.	Ohio	Fla.	44	*
LIVESTOCK PRODUCTION IN 1983												
Calf Crop	Tex.	Mo.	Okla.	Wisc.	Nebr.	3/	3/	Calif.	Mont.	Kans.	15	2
Lamb Crop	Tex.	Calif.	Wyo.	S.Dak.	4/	2/	Idaho	Colo.	N.Mex.	Oreg.	14	2
Pig Crop	Iowa	Ill.	Minn.	Ind.	Mo.	Nebr.	N.C.	Ohio	Wisc.	Kans.	24	*
Chickens Raised	Ark.	Calif.	Ind.	Pa.	Ga.	Ala.	N.C.	Ohio	Tex.	Minn.	41	*
Turkeys Raised	N.C.	Minn.	Calif.	Mo.	Ark.	Va.	Wisc.	Pa.	5/	5/	23	*
Egg Production	Calif.	Pa.	Ga.	Ind.	Ark.	N.C.	Tex.	Ohio	Fla.	Ala.	44	*
Wool Production	Tex.	Wyo.	Calif.	Colo.	S.Dak.	Utah	Mont.	N.Mex.	Idaho	Iowa	16	2
Milk Production	Wisc.	Calif.	N.Y.	Minn.	Pa.	Mich.	Ohio	Iowa	Tex.	Wash.	30	1
Butter	Wisc.	Calif.	Minn.	Pa.	Wash.	Mich.	N.Y.	Ohio	Mo.	Nebr.	20	*
American Cheese	Wisc.	Minn.	N.Y.	Calif.	Iowa	Pa.	Mo.	Idaho	S.Dak.	Ill.	17	1
CASH RECEIPTS - 1983												
Crops	Calif.	Ill.	Tex.	Iowa	Fla.	Minn.	Kans.	Ind.	Wash.	Ohio	11	3
Livestock	Iowa	Tex.	Calif.	Nebr.	Wisc.	Minn.	Kans.	Ill.	Pa.	Okla.	34	1
Total	Calif.	Iowa	Tex.	Ill.	Minn.	Nebr.	Kans.	Wisc.	Fla.	Ind.	21	2
Government Payments 1/	Tex.	Kans.	Nebr.	Iowa	N.Dak.	Minn.	Calif.	Okla.	Ark.	Ill.	5	6
Realized Income Per Farm												
Gross 1/	Ariz.	Calif.	Colo.	Del.	Nebr.	Hawaii	Fla.	Idaho	Iowa	Nev.	14	-
Net 1/	Calif.	Ariz.	Fla.	Del.	Wash.	Nebr.	Ark.	Mass.	Conn.	Hawaii	25	-

* Less than one-half of one percent. 1/ 1982 Data. 2/ Iowa and Kans. tied for 3rd place. 3/ S.Dak. and Iowa tied for 6th place. 4/ Mont. and Utah tied for 5th place. 5/ Ind. and Iowa tied for 9th place.

RANK OF NORTH DAKOTA'S COUNTIES

County	Crop Production								Livestock on Hand			
	All Wheat 1983	Spring Wheat 1983	Durum Wheat 1983	Sunflower 1983	Barley 1983	Oats 1983	Corn Grain 1983	All Hay 1983	All Cattle Jan. 1 1984	Milk Cows Jan. 1 1984	All Hogs Dec. 1 1983	All Sheep Jan. 1 1984
Adams	4	34*	36*	34	41	44	50	17	31	46*	34*	3
Barnes	11	6	21	3	7	22	8	32	34*	28*	6	15*
Benson	16	39*	5	6	13	31	22	19	19*	20*	25*	34*
Billings	52	50	52*	52*	53	44	51	29	32*	37*	52*	52*
Bottineau	2	22	2	13	3	12	36	26	36	37*	45	33
Bowman	44	44	49	48	1	16	48	2	22*	46*	34*	1
Burke	24	26*	1	31	24	18	31*	41	44*	43*	52*	26
Burleigh	36	28	40	41	43	37	40	4	6	16*	7*	37*
Cass	2	1	20	1	4	4	2	27	14*	33*	1	5
Cavalier	3	3	15	24	1	20	42	31	27	48*	19	49*
Dickey	33	31*	31	14	28	32	32	14	13	14	7*	4
Divide	20	31	2	33	23	30	49*	42	49	52*	36*	37*
Dunn	42	41*	44	4	44	47	46*	2	2	23*	42*	32
Eddy	27	42	28	16	42	36	33	6	40*	41*	46	11*
Emmons	29	19	30	44	29	35	37	8	8	9	15	42*
Foster	32	33*	23	9	27	34	27	21	47	43*	14	26
Golden Valley	50	49	46*	45	26	46*	44	47	52*	52	31	19*
Grand Forks	5	2	10	12	9	26*	5	46	46*	30*	11	30*
Grant	34	29	42	50	34	1	43	9	5	4	5	11*
Griggs	30	36	25	21	16	40	31	24	19	25*	31	37*
Hettinger	21	17	34*	17	20	43	14	20	27*	15	12	46*
Kidder	40	45	37	40	47	29	19	4	9*	8*	38*	6
LaMoure	25	15	24	7	5	28	6	23	25	6*	12*	13
Logan	45	38	47	38	42	24	25*	10	11*	5	40*	34*
McHenry	23	14	22	15	41	6	25*	1	4	10	29	14
McIntosh	41	37	32	33	45	17	33	13	14	6*	43*	24*
McKenzie	27	23	18	50	36	32	39	11	3	40*	32*	2
McLean	9	31	4	2	31	3	17	12	11*	11*	23	29
Mercer	49	43	30	47	51	37	38	18	15*	22	43*	46*
Morton	43	35	46	36	32	8	28	3	1	1	4	9*
Mountrail	15	48	3	30	23	13	30	16	22*	25*	49	22*
Nelson	18	21	11	11	13	34	29	43	43	28	27*	37*
Oliver	51	46	52*	43	50	27	23	28	26	11*	16	27
Pembina	7	3	43	40	8	30	12	50	42*	52*	9	42*
Pierce	30	39*	17	18	25	25*	24	21	34*	16*	30*	44*
Ramsey	12	20	8	6	10	48	38	32	48*	43*	27*	44*
Ransom	35	25	48	24	21	20*	3	31	19*	25*	10	15*
Renville	22	22	14	29	14	9	45	47	50	35*	50*	52*
Richland	13	7	49	26	18	22	1	24	15*	11*	2	22*
Rolette	37	53	12	27	20	45	41	25	37	37*	46	30*
Sargent	31	30	29	21	33	33	4	38	27*	23*	3	21
Sheridan	38	26*	42	19	37	26	46	35	29*	18	40*	51
Sioux	53	52	51	51	52	42	43	27	18	30*	38*	41
Slope	48	39*	40	46	39	41	51*	30	22*	40*	22	19*
Stark	28	18	34	42	36	4	24	6	9*	6*	18	17
Steele	26	17	38*	25	9	53	16	53	53	46*	47	28
Stutsman	8	8	15	1	19	2	10	5	7	3	20	7
Towner	19	47	6	22	11	52	42	49	51*	46*	32*	18
Traill	17	9	41	43	4	51	11	48	51*	46*	17	49*
Walsh	6	4	19	23	7	43	15	44	40*	33*	12*	46*
Ward	1	12	1	7	12	1	34	15	17	14	36*	9*
Wells	14	16	13	9	17	23	9	34	24*	20*	30	22*
Williams	10	13	7	41	22	30	47	33	19*	40*	42	8

*Tied with another county

NORTH DAKOTA FARM INCOME

Source: Economic Indicators of the Farm Sector, U.S.D.A. - E.R.S.

1983 Cash Receipts, Preliminary

Cash receipts from farm marketings in North Dakota during 1983 totaled $2,715 million, up fractionally from 1982 and 6 percent above receipts in 1981.

Cash receipts from crops in 1983 totaled $2,086 million or 77 percent of total receipts, while cash receipts from livestock and products, at $629 million, made up the remaining 23 percent. Cash receipts from crops fell 1 percent from 1982, while livestock receipts rose 4 percent. Government payments added $243 million, up 21 percent from 1982, bringing total cash receipts for North Dakota farmers to $2,958 million.

1982 Cash Receipts

Cash receipts from North Dakota farm marketings totaled $2,715 million in 1982, an increase of 6 percent over 1981 and 4 percent above the 1980 total. Receipts from marketed crops totaled $2,110 million, 78 percent of the total, while livestock and livestock products receipts totaled $605 million, 22 percent of the total.

Cash receipts for crops and livestock were both up from 1981, with crop receipts up 7 percent and livestock receipts up 1 percent. Government payments added another $200 million, up from $131 million in 1981, bringing total cash receipts from agricultural production to $2,915 million in 1982.

Wheat continued to be the largest source of cash receipts for North Dakota farmers, bringing in $1,178 million in 1982, 43 percent of the total, excluding government payments. Cattle and calves ranked second in total cash receipts with $395 million in 1982, 15 percent of the total, and sunflower accounted for 13 percent or $359 million.

Income Per Farm

Realized gross income per farm averaged a record high $82,690 in 1982, up 11 percent from 1981.

Realized net income, which excludes changes in inventory values, averaged 9,598 per farm, up 30 percent from 1981. Realized net income is the primary measure of change in the farmers income position.

Total net income fell to an average $10,903 per farm in 1982, 58 percent of the 1981 average of $18,745. Total net income figures include changes in inventory value.

Farm production expenses were not yet available at this writing for 1983, therefore the net 1983 income situation is not included in this publication.

Cash Receipts from Farm Marketings and Government Payments, North Dakota, 1980-82 and 1983 Preliminary

Item	1980	1981 1/	1982	Percent Total 1982 2/	1983 Preliminary
		Thousand Dollars		Pct.	000 $
CROPS	1,731,111	1,970,445	2,109,867	77.7	2,086,073
Food Grains	1,067,452	1,234,040	1,182,510	43.6	
Wheat	1,067,063	1,233,849	1,177,743	43.4	
Rye	389	191	4,767	.2	
Feed Grains	271,464	251,043	286,787	10.6	
Barley	130,466	134,142	163,795	6.0	
Oats	74,442	57,164	74,818	2.8	
Hay	26,418	25,851	20,175	.7	
Oats	10,568	14,214	17,999	.7	
Oil Crops	340,774	382,859	442,256	16.3	
Sunflower Seeds	317,648	344,174	358,969	13.2	
Soybeans	19,691	30,163	43,269	1.6	
Flaxseed	13,435	8,522	40,018	1.5	
Vegetables & Fruits	185,434	159,808	102,332	3.8	
Dry Beans	66,492	101,819	33,950	1.3	
Potatoes	71,835	57,554	67,987	2.5	
Miscellaneous	636	435	595	-	
All Other Crops	114,249	91,108	97,782	3.6	
Sugarbeets	93,857	68,247	73,480	2.7	
Other	20,392	22,861	24,302	-	
LIVESTOCK PRODUCTS	773,674	848,089	604,324	22.3	628,895
Meat Animals	636,687	721,227	446,833	16.5	
Cattle & Calves	524,561	611,588	395,196	14.7	
Hogs	97,964	93,750	43,660	1.6	
Sheep & Lambs	14,161	15,889	7,978	.3	
Dairy Products	120,672	121,960	121,250	4.5	
Milk, Wholesale	120,672	121,960	121,250	4.5	
Poultry & Eggs	12,366	4,872	9,745	.4	
Turkeys	7,952	1,769	6,669	.2	
Eggs	2,280	2,665	2,960	.1	
Chickens, Farm	134	138	116	-	
Miscellaneous Livestock	19,781	23,944	26,896	1.0	
Honey & Beeswax	8,525	11,850	NA	-	
Wool	1,671	1,633	1,122	-	
Other Livestock	9,585	10,461	25,774	1.0	
TOTAL CROPS & LIVESTOCK	2,504,785	2,818,534	2,714,191	93.1	2,714,968
Government Payments	170,834	131,693	200,176	6.9	242,533
GRAND TOTAL	2,675,619	2,950,227	2,914,367	100.0	2,957,501

1/ Revised. 2/ Items may not add due to rounding. NA-Not Available.

Cash Receipts from Marketings, by Months and Percent Distribution, North Dakota, 1983 1/

Month	Livestock		Crops		Total	
	000 $	Pct.	000 $	Pct.	000 $	Pct.
January	51,487	8.2	234,851	11.3	286,338	10.5
February	89,971	14.3	141,374	6.8	231,345	8.5
March	79,496	12.7	135,453	6.5	215,449	7.9
April	77,323	12.3	139,678	6.7	217,001	8.0
May	50,177	8.0	112,507	5.4	162,684	6.0
June	36,686	5.8	147,183	7.1	183,869	6.8
July	29,332	4.7	100,285	4.8	129,617	4.8
August	32,401	5.1	278,056	13.3	310,457	11.4
September	32,624	5.2	213,732	10.2	246,356	9.1
October	40,140	6.4	198,006	9.5	238,146	8.8
November	56,993	9.1	230,352	11.0	287,345	10.6
December	51,765	8.2	154,596	7.4	206,361	7.6
Year	628,895	100.0	2,086,073	100.0	2,714,968	100.0

1/ Preliminary.

FARM INCOME CONT.

Cash Receipts from Government Payments
North Dakota, 1980-1983

Item	1980	1981	1982	1983
	--- Thousand Dollars ---			
Conservation	[illegible]	[illegible]	[illegible]	[illegible]
Feed Grain Program	[illegible]	[illegible]	[illegible]	[illegible]
Wheat Program	[illegible]	[illegible]	[illegible]	[illegible]
Miscellaneous	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]

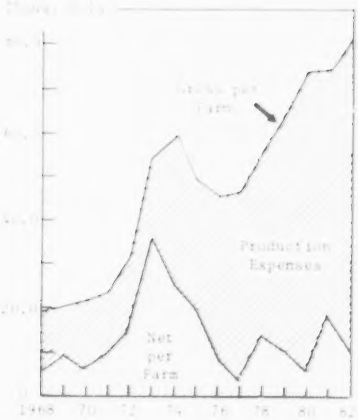
Value of Home Consumption
North Dakota, 1980-82

Item	1980	1981	1982
		--- Thousand Dollars ---	
Cattle & Calves	[illegible]	[illegible]	[illegible]
Hogs	[illegible]	[illegible]	[illegible]
Sheep & Lambs	[illegible]	[illegible]	[illegible]
Dairy	[illegible]	[illegible]	[illegible]
Poultry & Eggs	[illegible]	[illegible]	[illegible]
All Livestock & Products	[illegible]	[illegible]	[illegible]
All Crops	[illegible]	[illegible]	[illegible]
TOTAL All Ag	[illegible]	[illegible]	[illegible]

Income per Farm, North Dakota, 1971-1982

Year	Realized Gross Income per Farm 1/	Realized Net Income per Farm 2/	Total Net Income per Farm 2/
	--- Dollars ---		
1971	27,273	6,049	6,049
1972	42,137	13,948	13,948
1973	54,192	26,961	29,414
1974	59,663	30,664	29,229
1975	49,567	12,068	12,873
1976	45,815	8,421	8,538
1977	46,141	7,389	6,369
1978	56,191	11,373	13,553
1979	63,162	10,638	10,335
1980	73,178	17,866	6,258
1981	74,567	7,370	18,593
1982	82,690	9,598	10,903

1/ Excludes changes in inventories. 2/ Includes changes in inventories.



Farm Production Expenses
North Dakota, 1980-1982

Item	1980	1981	1982
	--- Million Dollars ---		
Feed	76.0	72.0	64.2
Livestock	24.5	24.1	28.0
Seed	68.4	86.3	87.6
Fertilizer & Lime	241.3	230.8	215.0
Repair & Operation of Capital Items	402.1	433.7	430.2
Hired Labor	99.3	99.5	118.2
Miscellaneous	397.4	549.4	688.0
Total Current Farm Operating Expenses	1310.0	1495.7	1631.3
Depreciation & Other Consumption of Farm Capital	493.6	618.3	624.5
Taxes on Farm Property	80.5	80.3	85.7
Interest on Farm Mortgage Debt	154.1	190.5	222.4
Net Rent to Non-Farm Landlords	174.6	235.8	213.5
Total Production Expenses	2212.7	2620.7	2777.5

Total Cash Receipts and Total Income
North Dakota, 1980-82

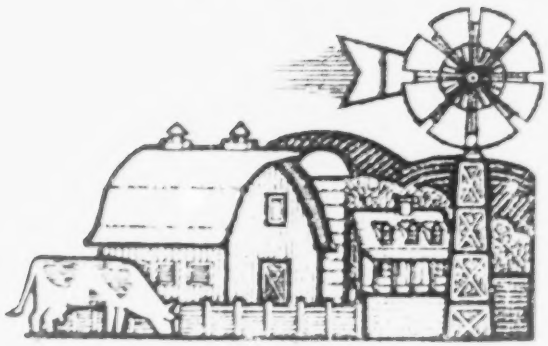
Item	1980	1981	1982
	--- Million Dollars ---		
Cash Receipts from Farm Marketings	2,608.8	2,760.9	2,710.6
Government Payments	116.6	130.7	20.2
Non-Money Income	165.7	171.9	184.3
Other Farm Income	36.0	44.7	47.1
Total Realized Gross Farm Income	2,927.1	2,908.1	3,142.2
Farm Production Expense	2,212.7	2,620.7	2,777.5
Realized Net Farm Income	714.4	287.4	364.7
Net Change in Farm Inventories	-464.1	445.5	49.6
Total Net Farm Income	250.3	732.9	414.3

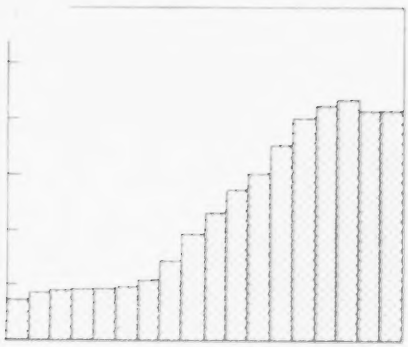
FARM INCOME CONT.

Cash Income Received by Farmers by County, North Dakota, 1981 &2
Source: Bureau of Economic Analysis, U.S. Dept. of Commerce, Washington, D.C.

District and County	1981				1982			
	Crops	Livestock	Govern-ment Payments	Total	Crops	Livestock	Govern-ment Payments	Total
	(Thousand Dollars)				(Thousand Dollars)			
Burke	26,493	4,121	1,767	32,381	28,422	4,094	3,069	35,589
Divide	37,046	5,224	2,271	44,541	35,436	5,289	4,010	44,649
Mountrail	48,949	11,009	2,611	62,569	46,100	9,946	4,028	60,074
Renville	26,043	4,619	1,982	32,644	24,771	3,613	3,579	33,965
Ward	71,496	17,944	4,127	93,567	78,617	17,756	4,776	103,148
Williams	46,292	13,824	4,144	64,260	49,197	13,946	4,485	68,586
Northwest	255,861	56,649	16,121	329,431	271,037	54,847	28,447	352,011
Benson	49,665	10,429	4,124	64,218	50,277	10,898	5,616	67,785
Bottineau	67,082	9,442	5,837	82,361	74,308	7,276	7,283	86,874
McHenry	47,449	10,776	4,414	62,639	49,197	10,865	6,897	66,159
Pierce	26,760	10,801	3,501	41,062	28,716	10,752	2,581	42,049
Rolette	26,810	5,944	2,230	34,984	27,710	5,977	3,412	37,105
North Central	217,766	56,746	19,706	294,218	229,618	44,669	25,789	299,972
Cavalier	64,194	5,737	3,316	73,247	68,486	6,706	10,590	83,281
Grand Forks	88,476	8,206	5,431	102,113	95,469	8,240	7,127	110,835
Nelson	41,114	7,474	2,446	49,864	43,053	7,594	4,581	55,188
Pembina	46,525	4,821	3,469	54,815	46,438	4,105	7,477	108,520
Ramsey	50,549	8,511	3,506	62,566	54,434	8,079	6,759	69,671
Towner	44,442	5,481	3,432	53,355	49,167	3,032	4,763	56,962
Walsh	100,498	8,041	4,754	113,293	108,524	6,127	6,445	123,091
Northeast	485,798	48,214	26,354	559,367	515,964	48,842	47,742	602,548
Dunn	17,243	24,668	2,781	46,918	18,529	26,550	1,979	47,057
McKenzie	24,111	24,248	3,421	54,144	31,238	24,311	2,245	57,886
McLean	34,887	26,484	3,114	73,414	64,261	14,285	5,885	86,431
Mercer	10,042	14,672	1,998	28,712	12,420	14,742	1,450	28,812
Oliver	7,995	10,463	827	19,285	8,061	10,845	753	19,651
West Central	114,878	81,535	12,141	228,554	135,142	92,533	12,262	239,837
Eddy	18,474	4,247	994	24,525	16,988	6,291	1,972	24,648
Foster	23,812	14,092	1,370	31,274	19,111	13,997	2,604	35,712
Kidder	19,467	10,661	1,659	31,661	16,487	18,341	1,871	36,899
Sheridan	20,729	8,614	1,124	30,468	22,214	8,541	1,875	32,657
Stutsman	66,344	23,470	4,587	94,384	71,218	23,370	7,440	102,028
Wells	42,047	24,143	2,296	80,485	66,569	16,037	4,754	87,360
Central	197,564	87,267	12,030	296,617	212,004	86,779	20,516	319,304
Barnes	43,682	17,374	4,345	64,406	46,470	17,398	6,103	70,471
Cass	100,967	24,114	4,794	129,875	107,845	24,652	7,570	140,067
Griggs	22,301	7,888	3,228	33,307	23,821	7,884	2,769	34,474
Steele	34,444	5,891	3,724	44,159	37,014	5,930	1,084	44,028
Traill	74,264	5,463	2,451	82,181	79,683	5,534	4,536	89,753
East Central	275,228	58,935	18,447	347,609	295,333	59,398	24,062	378,793
Adams	14,804	11,141	2,278	30,227	15,889	13,046	2,221	31,156
Billings	4,477	6,264	418	11,746	4,911	6,213	519	11,643
Bowman	12,584	11,154	2,419	26,182	13,507	11,323	2,107	26,937
Golden Valley	10,342	8,289	1,881	20,512	11,321	8,268	2,309	21,888
Hettinger	27,315	11,603	3,570	42,488	29,315	13,011	4,204	46,530
Slope	13,013	8,416	1,608	23,038	11,818	8,392	1,818	22,028
Stark	20,857	25,870	2,741	49,518	22,347	25,719	2,729	50,795
Southwest	101,704	86,136	14,476	202,376	109,098	85,972	15,907	210,977
Burleigh	28,515	20,883	2,046	44,444	28,316	20,842	2,561	51,719
Emmons	24,212	22,195	2,984	49,391	25,477	22,069	2,109	50,155
Grant	14,058	21,322	2,202	37,582	15,083	21,296	2,040	38,419
Morton	18,780	34,614	2,908	56,302	20,154	34,515	2,483	57,152
Sioux	4,853	8,690	860	14,403	5,207	8,623	596	14,426
South Central	88,418	107,704	11,000	207,122	94,737	107,345	9,789	211,871
Dickey	29,734	22,157	1,688	51,579	31,856	22,415	3,351	57,622
LaMoure	31,251	20,273	2,521	54,045	33,528	20,255	4,333	58,116
Logan	17,202	14,809	1,628	33,639	18,487	4,670	1,963	35,090
McIntosh	22,002	16,427	1,709	40,138	23,610	6,310	1,791	41,711
Ransom	26,197	15,546	1,562	41,305	28,123	13,594	3,463	45,180
Richland	76,443	26,375	2,655	105,473	81,991	26,732	6,033	114,756
Sargent	25,605	15,567	1,335	42,507	27,488	15,700	2,828	46,016
Southeast	228,434	129,154	13,098	370,686	245,053	129,676	23,762	398,491
STATE	1,962,885	708,202	130,659	2,801,746	2,105,867	707,761	200,176	3,013,804

FARM REAL ESTATE





NA = Not Available. Source: Farm Real Estate Market Developments, E.R.S.

Year	Farms	Cropland	Pasture
	Gross Rent Per Acre	Ratio: Gross Rent to Value	Gross Rent Per Acre	Ratio: Gross Rent to Value	Rent Per Acre	Ratio: Rent to Value
	$	(%)	$		$	
1977	20.10	6.7	30.60	7.3	5.80	4.5
1978	19.70	6.1	24.70	6.6	5.40	4.3
1979	22.20	6.2	27.80	6.6	5.80	4.6
1980	24.10	6.0	30.40	6.2	6.70	4.6
1981	25.50	5.9	31.60	6.1	6.10	4.3
1982	27.30	5.8	32.90	6.1	6.20	4.4
1983	26.90	6.3	32.60	6.5	6.70	4.6
1984	28.50	6.4	34.20	6.8	6.50	4.5

Source: Farm Real Estate Market Developments, E.R.S.

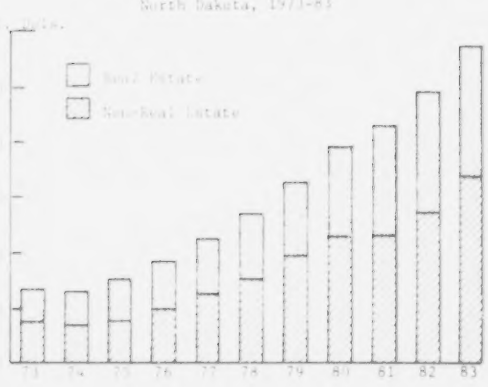
	Cropland		Pasture	
	1983	1984	1983	1984
	$		$	
Northeast	30.40	32.00	6.00	6.10
North Atlantic	32.00	33.50	6.20	6.50
Northeast	30.00	32.00	6.10	6.30
West Central	33.00	35.00	7.00	8.70
Central	29.00	32.00	6.00	6.60
East Central	45.00	48.50	11.20	12.20
Southwest	12.80	16.00	8.10	8.60
South Central	19.00	21.00	8.10	9.10
Southeast	30.70	34.00	13.60	13.40
STATE	26.90	30.60	8.70	9.80

FARM ASSETS & DEBT

Farm Balance Sheet, North Dakota, January 1, 1979-83

Item	1979	1980	1981	1982	1983
			Million Dollars		
			EXCLUDING FARM HOUSEHOLD		
ASSETS					
Total Farm Assets	19,[illegible]	20,[illegible]	21,083.9	22,006.5	23,622.5
Real Estate	14,[illegible]	15,[illegible]	16,[illegible]	17,[illegible]	18,417.9
Livestock and Poultry	[illegible]	[illegible]	886.8	892.7	902.6
Machinery and Motor Vehicles	[illegible]	[illegible]	[illegible]	[illegible]	3,306.0
Crops	[illegible]	[illegible]	[illegible]	[illegible]	1,869.5
Financial Assets	[illegible]	[illegible]	833.9	974.7	1,126.5
CLAIMS					
Total Farm Debt	[illegible]	[illegible]	[illegible]	[illegible]	5,430.9
Real Estate Debt	[illegible]	[illegible]	[illegible]	[illegible]	2,203.3
Nonreal Estate Debt	[illegible]	[illegible]	[illegible]	[illegible]	2,276.5
CCC Loans	[illegible]	[illegible]	265.0	476.0	951.0
Equity	[illegible]	[illegible]	[illegible]	[illegible]	18,191.6
RATIOS			Ratio		
Equity/Assets	[illegible]	[illegible]	[illegible]	80.7	77.0
Debt/Equity	[illegible]	[illegible]	[illegible]	23.9	29.9
Debt/Assets, Total	[illegible]	[illegible]	17.6	19.3	23.0
Debt/Assets, Real Estate	[illegible]	[illegible]	[illegible]	12.6	13.4
Debt/Assets, Nonreal Estate and	[illegible]	[illegible]	[illegible]	10.1	14.8
Returns to Operator/Total Debt	[illegible]	[illegible]	[illegible]	6.5	NA
			INCLUDING FARM HOUSEHOLD		
ASSETS			Million Dollars		
Total Farm Assets	20,846.2	21,801.6	22,312.6	25,683.1	25,250.8
Real Estate	14,269.0	16,018.3	17,039.1	18,181.2	17,263.8
Livestock and Poultry	[illegible]	[illegible]	[illegible]	[illegible]	902.6
Machinery and Motor Vehicles	[illegible]	[illegible]	[illegible]	[illegible]	3,466.3
Crops	[illegible]	[illegible]	[illegible]	[illegible]	1,869.5
Household Equip. and Furnishings	[illegible]	[illegible]	[illegible]	[illegible]	317.2
Deposits and Currency	[illegible]	[illegible]	[illegible]	[illegible]	311.8
U.S. Savings Bonds	[illegible]	[illegible]	[illegible]	[illegible]	133.9
Investments in Cooperative	[illegible]	[illegible]	[illegible]	[illegible]	985.7
CLAIMS					
Total Farm Debt	[illegible]	[illegible]	[illegible]	[illegible]	5,685.4
Real Estate Debt	[illegible]	[illegible]	[illegible]	[illegible]	2,316.9
Nonreal Estate Debt	[illegible]	[illegible]	[illegible]	[illegible]	2,417.5
CCC Loans	[illegible]	[illegible]	[illegible]	[illegible]	951.0
Equity	[illegible]	[illegible]	[illegible]	[illegible]	19,565.4
RATIOS			Ratio		
Equity/Assets	[illegible]	[illegible]	[illegible]	[illegible]	77.5
Debt/Equity	[illegible]	[illegible]	[illegible]	[illegible]	29.1
Debt/Assets, Total	[illegible]	[illegible]	[illegible]	[illegible]	22.5
Debt/Assets, Real Estate	[illegible]	[illegible]	[illegible]	[illegible]	13.4
Debt/Assets, Nonreal Estate and	[illegible]	[illegible]	[illegible]	[illegible]	42.2
Net Farm Income/Debt	[illegible]	[illegible]	[illegible]	[illegible]	NA

NA = Not Available. Source: Economic Indicators of the Farm Sector, U.S.D.A. - E.R.S.



NORTH DAKOTA WEATHER DATA

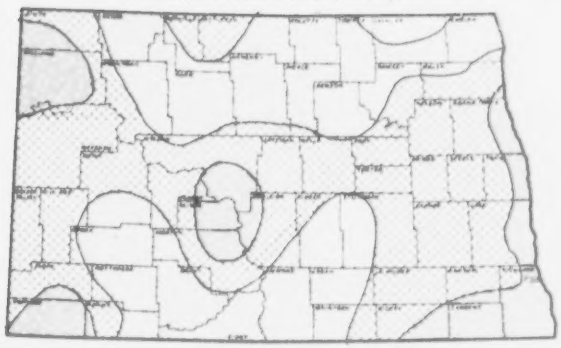
PRECIPITATION, MEAN TEMPERATURE AND DEPARTURES
North Dakota, April-September 1983

Month	Precipitation	Departure	Mean Temperature	Departure
	Inches	Inches	Degrees F	Degrees F
April	1.42	-1.13	45.1	-2.1
May	3.03	-.39	57.4	-3.9
June	4.09	+.31	63.2	-3.2
July	2.45	-1.19	71.0	-1.0
August	2.90	-.11	68.1	-1.4
September	1.79	-.72	56.3	-1.2

DAYS MAXIMUM TEMPERATURES REACHED 90° OR MORE
AT MAIN NORTH DAKOTA WEATHER STATIONS
JUNE 1 THROUGH AUGUST 31

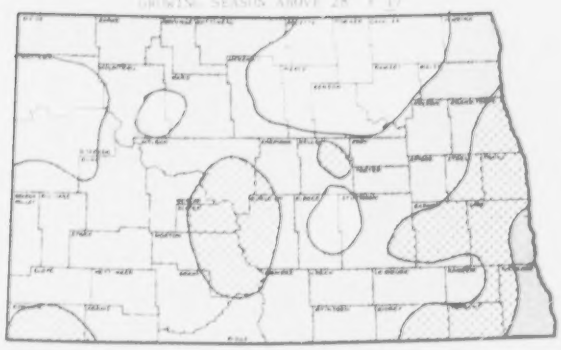
Station	1979	1980	1981	1982	1983
	Number of Days				
Bismarck	16	10	14	13	28
Williston	7	9	3	20	42
Grand Forks	3	11	19	18	36

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32° F 1/



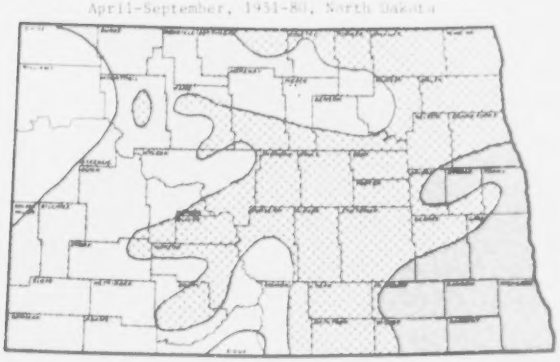
Under 110 days
110 - 119 days
120 - 129 days
130 days & over

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 28° F 1/



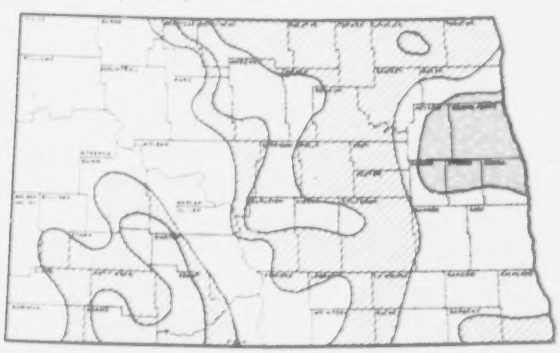
Under 130 days
130 - 139 days
140 - 149 days
150 days & over

AVERAGE GROWING SEASON PRECIPITATION (Inches), April-September, 1951-80, North Dakota



Less than 12.00 inches
12.00 - 13.49 inches
13.50 - 14.99 inches
15.00 inches & over

ANNUAL GROWING SEASON PRECIPITATION (Inches), April-September, 1983 - North Dakota



Less than 10.00 inches
10.00 - 11.49 inches
12.00 - 13.99 inches
14.00 inches & over

1/ Based on data for selected stations. Number of years used in average ranges by station from 26-78 years.
Source: Environmental Data and Information Service.

WEATHER DATA CONT.

AVERAGE TEMPERATURES BY MONTH, BY STATE NI AND CROP REPORTING DISTRICTS, NORTH DAKOTA, 1983 1/
Degrees F.

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Bowbells	---	---		---					---	42.6	27.3	-5.1	38.4
Crosby										45.2	29.9	-3.4	41.3
Fortuna										42.5	28.4	-6.2	38.6
Kenmare		M								42.8	30.2	-3.5	39.5
Minot Exp. Station										43.9	31.1	-3.6	40.7
Minot			M							43.1	29.0	-5.6	38.6
Powers Lake										43.2	30.8	-3.9	39.9
Williston WS AP										43.2	30.3	-4.5	42.8
NORTHWEST DISTRICT 1										43.0	29.7	-4.3	40.0
Battleview										41.8	29.2	-3.9	38.9
Crane										42.3	31.0	-3.3	41.6
Grafton										43.6	31.1	-2.6	41.0
Langdon									M	43.8	29.4	-2.9	39.0
Leeds										43.4	29.4	-3.8	---
Rolla										---	---	---	---
Rugby	M									43.4	31.1	-2.6	---
Upham										43.7	31.1	-2.6	39.5
Westhope										44.7	31.9	-1.6	40.8
Willow City										43.1	30.8	-4.0	38.8
NORTH CENTRAL DISTRICT 2										43.1	30.6	-4.0	39.4
Devils Lake	---	---								43.3	28.6	-3.2	---
Edmore										43.2	27.8	-4.4	39.3
Grafton										43.8	28.8	-3.1	42.0
Grand Forks Exp Farm										43.4	29.6	-.1	41.6
Hannah										43.1	27.7	-4.7	37.9
Langdon Exp Farm										43.2	27.6	-6.1	37.2
Park River										43.4	29.6	.8	42.5
Pembina										43.4	29.1	-2.1	38.2
Petersburg										43.3	28.3	-3.1	38.0
NORTHEAST DISTRICT 3										43.3	28.8	-3.1	40.0
Bergen										M	M	M	---
Carson										44.4	31.1	-.8	43.1
Fort Yates										44.3	31.1	-1.8	42.1
Garrison										44.3	31.1	-2.6	---
Turtle Lake										44.3	31.1	-2.6	41.5
Watford City										44.1	31.2	-1.9	42.9
WEST CENTRAL DISTRICT 4										44.3	31.2	-1.5	42.6
Arnegard										44.3	31.4	-1.4	41.8
Hamilton										44.4	31.1	-1.8	39.6
Lonesome WS AP	M						M	M	M	44.3	31.1	.7	---
Mohall						M				44.3	31.1	M	---
Parshall										44.3	31.1	-1.8	41.6
Tioga										44.1	31.1	-1.8	41.2
Tolley										44.1	31.1	-1.8	41.0
NORTHWEST DISTRICT 5										44.2	31.2	-1.7	41.2
Ardoch										44.3	31.2	-.1	41.0
Cooperstown										44.4	31.3	-.6	41.9
Fargo WSO AP										44.4	31.4	-.1	42.1
Hillsboro				---						44.4	31.4	-.1	---
Mayville										44.4	31.4	-.6	41.4
Thief River										44.4	31.4	-2.6	40.6
Valley City										44.4	31.4	-1.2	42.1
EAST CENTRAL DISTRICT 6										44.4	31.4	-1.8	41.2
Amenia							---			44.4	31.4	-.1	---
Bowman										44.4	31.4	-.1	43.0
Carrington Exp Station										44.4	31.4	-2.6	41.7
Fairfield										44.4	31.4	-2.1	41.6
Hettinger										44.4	31.4	-.1	42.7
Medora										---	31.4	-1.8	---
Mott										44.4	31.4	-1.8	42.7
Richardton (Athens)										44.4	31.4	-.8	43.1
SOUTHWEST DISTRICT 7										44.4	31.4	-.4	43.2
Bismarck WSO AP										44.4	31.4	-1.2	42.7
Carson										44.4	31.4	-1.2	42.0
Fort Yates										---	31.4	-1.2	---
Mandan										44.4	31.4	-1.2	42.5
New Salem										44.4	31.4	-1.4	42.4
Wilton										44.4	31.4	-1.1	42.7
SOUTH CENTRAL DISTRICT 8										44.4	31.4	-1.2	42.8
Ashley										44.4	31.4	-.2	43.2
Edgeley			M							44.4	31.4	-.2	---
Forman										44.4	31.4	-1.6	43.3
Fullerton										44.4	31.4	-.6	43.8
Hankinson										44.4	31.4	-.2	43.1
Lisbon										44.4	31.4	-.1	44.1
McLeod										44.4	31.4	-.9	43.2
Napoleon										44.4	31.4	-2.8	41.9
Wahpeton										44.4	31.4	-.4	44.0
Wishek										44.4	31.4	-1.4	41.6
SOUTHEAST DISTRICT 9										44.4	31.4	-1.0	42.4
STATE										44.4	31.4	-2.2	41.4

Underlined figures are partially estimated. M = Missing. 1/ Preliminary data, NOAA - Environmental Data and Information Service.

WEATHER DATA CONT.

MONTHLY PRECIPITATION BY STATIONS AND CROP REPORTING DISTRICTS, NORTH DAKOTA, 1983 1/
(Inches)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	.65	.16	.63	.18	1.96	1.43	2.41	1.55	2.42	.32	.56	.41	12.22
Fortuna	.31	.30	.93	.02	2.82	.89	3.68	1.58	1.74	.09	.32	.44	14.11
Foxholm	.62	.19	2.82	.05	.44	2.34	2.56	.49	2.40	.68	.56	.64	13.20
Kenmare	.65	M	1.46	.19	1.97	1.63	3.01	1.69	1.43	.45	.41	.41	13.50
Minot (Exp. Station)	.72	.32	1.91	.66	2.10	2.86	3.07	1.55	3.09	1.16	.83	.97	19.27
Mohall	.85	.39	M	.47	2.42	3.39	4.97	3.08	2.03	1.05	.82	.35	17.48
Powers Lake	.44	.15	1.24	.13	.96	1.76	3.37	1.75	1.31	.62	.51	.65	12.58
Williston (WSO AP)	.35	.07	2.07	.03	1.48	.87	2.76	.87	.81	.41	.18	.57	10.33
NORTHWEST DISTRICT (1)	.49	.17	1.34	.22	1.58	1.81	3.14	1.66	1.88	.61	.64	.47	13.71
Bottineau	.31	.31	1.23	.32	1.42	3.17	2.89	1.15	2.69	1.02	.59	.27	15.32
Drake	.32	.42	1.36	.42	2.24	2.76	2.28	.83	2.34	.61	.69	.47	15.80
Granville	.05	M	1.15	.26	2.69	2.78	3.57	.58	3.06	.85	.36	.15	15.95
Leeds	.35	.29	1.61	.33	1.67	2.44	1.82	1.26	M	.93	.47	.17	12.19
Rolla	.21	.22	1.61	.20	1.43	3.15	1.91	1.14	2.81	1.28	.30	.37	14.72
Rugby	M	.28	3.76	1.20	1.96	3.06	3.29	1.22	3.06	1.81	1.21	.26	21.60
Upham	.40	.22	1.93	.43	2.05	3.77	3.78	1.55	2.71	.86	.82	.05	17.06
Westhope	.28	.13	1.02	.09	1.73	1.62	3.94	1.42	2.23	.32	.36	.19	12.87
Willow City	.51	.32	1.27	.38	1.58	2.87	3.66	1.12	2.89	.85	.65	.19	14.29
NORTH CENTRAL DISTRICT (2)	.36	.31	1.69	.34	1.79	2.62	2.54	1.09	2.78	1.01	.66	.32	15.55
Devils Lake	1.24	.34	2.15	.39	1.44	2.48	2.58	1.77	2.73	1.38	.59	.32	17.89
Edmore	.69	.05	1.56	.29	.65	2.71	3.41	2.58	2.39	1.34	.41	.54	17.19
Grafton	.47	.14	1.56	.10	1.03	2.77	3.26	1.71	M	1.95	.58	.11	13.10
Grand Forks (FAA AP)	.42	.33	1.92	.38	1.79	3.66	2.97	3.59	3.03	2.26	.76	.62	21.76
Hannah	.02	T	.95	.15	.79	3.94	4.34	1.41	2.74	1.13	.83	.60	13.90
Langdon (Exp. Farm)	.46	.06	.96	.33	.83	3.34	1.97	.73	2.17	1.76	.51	.05	12.93
Park River	.87	.31	1.68	.25	1.39	3.30	3.69	2.27	2.53	2.07	.63	.17	17.06
Pembina	.47	.16	1.64	.27	.82	3.55	4.37	1.15	2.33	1.84	.73	.15	15.50
Petersburg	1.11	.83	1.78	.12	1.37	2.72	2.38	2.38	3.43	1.85	1.38	.35	21.00
NORTHEAST DISTRICT (3)	.58	.21	1.49	.25	1.22	3.32	3.48	2.06	2.77	1.83	.71	.30	17.52
Beulah	.47	.15	1.27	.61	1.18	2.81	1.19	.92	1.05	.55	M	M	11.23
Center	.44	.13	1.18	T	.97	2.26	2.27	2.21	1.11	.87	.86	.50	12.28
Dunn Center	.37	.02	.41	.32	1.89	3.55	1.66	M	.81	.97	.58	.42	12.89
Garrison	.31	.17	.73	.65	1.27	2.84	2.37	1.17	1.45	.53	.46	.54	12.75
Turtle Lake	.34	.25	.99	.64	1.40	4.10	3.37	.96	1.61	.76	.94	.37	16.10
Watford City	.32	.24	.99	.27	1.05	2.79	1.47	2.18	.71	.43	.49	.46	11.35
WEST CENTRAL DISTRICT (4)	.39	.14	1.16	.41	1.37	2.88	2.34	1.69	1.30	.81	.58	.47	13.39
Carrington	1.10	.61	1.69	.71	.98	3.04	2.54	1.74	1.41	.74	1.30	.46	17.25
Hurdsfield	.76	.19	.32	.54	2.45	2.19	2.43	1.84	1.01	1.13	.84	.45	15.76
Jamestown (FAA AP)	M	M	M	.38	.79	5.83	3.44	1.66	1.28	1.03	M	.64	16.12
McClusky	.66	.18	1.84	.47	M	M	M	M	M	.47	.20	M	16.41
Pettibone	.53	.33	1.59	.61	2.43	3.37	1.48	2.84	1.69	.86	1.24	.61	17.57
Steele	.44	.07	1.73	.65	2.45	1.61	2.25	2.22	1.67	.90	.31	.33	14.78
Tuttle	.50	.49	1.46	.58	2.31	2.38	2.59	3.17	1.21	.96	.47	.46	16.07
CENTRAL DISTRICT (5)	.69	.40	1.63	.56	1.71	3.50	2.50	2.74	1.67	1.04	.74	.47	17.65
Colgate	.55	.50	1.92	M	1.32	4.93	2.15	1.38	2.35	1.65	.93	.15	17.91
Cooperstown	.94	.35	1.69	.58	1.28	4.80	2.98	2.36	2.56	1.29	.93	.66	21.52
Fargo (WSO AP)	.46	.21	2.27	.42	2.00	2.34	4.16	2.56	1.63	1.62	1.04	.96	19.67
Hillsboro	.34	.53	1.84	.04	2.23	5.82	M	3.47	2.02	1.51	.56	.34	21.46
Mayville	.70	.74	2.04	.28	1.42	6.94	2.27	2.30	2.32	1.31	.83	.56	23.69
Sharon	.93	.37	1.68	.62	1.40	5.39	1.47	2.99	3.66	1.29	.86	.32	23.18
Valley City	.37	.28	1.82	.27	1.25	5.05	3.19	1.50	.85	2.06	.44	.65	17.58
EAST CENTRAL DISTRICT (6)	.57	.45	1.84	.37	1.55	5.03	2.65	2.22	2.27	1.53	.77	.62	20.75
Amidon	.16	.02	.14	.41	2.68	3.12	2.15	1.26	1.02	.78	.69	.29	12.70
Bowman (Courthouse)	.36	.05	.86	.22	2.04	4.71	1.44	.95	.66	.92	.68	.47	13.15
Dickinson (Exp. Station)	.35	.05	.95	.32	1.15	3.43	2.41	1.16	1.06	.85	.65	.41	12.59
Fairfield	.22	.06	.63	.07	1.79	1.87	2.14	2.02	1.12	.41	.13	.24	11.45
Hettinger	.09	.05	.89	.30	1.35	3.43	3.63	.98	.74	.83	.44	.41	13.13
Medora	.13	.06	1.04	.45	2.10	2.98	2.15	1.61	1.54	.47	.49	.35	13.77
Mott	.14	T	1.18	.69	3.38	3.43	1.48	1.56	.63	.43	.21	.44	14.15
Richardton (Abbey)	.18	.05	1.12	.74	2.44	4.13	1.78	1.29	1.13	.89	.61	.32	16.41
SOUTHWEST DISTRICT (7)	.21	.06	.97	.37	2.29	3.44	2.24	1.60	1.04	.78	.54	.36	13.04
Bismarck (WSFO AP)	.28	.44	1.66	.21	1.26	2.45	2.43	1.57	1.38	1.06	.31	.45	13.14
Carson	.06	.44	2.27	.82	1.44	3.49	3.29	1.74	.69	1.48	.53	.41	17.47
Fort Yates	T	.30	1.42	.43	2.62	1.41	1.63	1.47	1.13	1.12	.51	.15	10.64
Moffit	.11	.16	1.20	.62	1.41	3.58	2.38	1.83	1.14	.91	.68	.43	13.96
New Salem	.24	.28	1.53	.74	1.52	3.44	2.64	1.13	1.53	.74	.58	.55	13.71
Wilton	.42	.17	1.53	.29	1.87	4.13	2.16	1.13	1.23	1.28	.62	.36	16.57
SOUTH CENTRAL DISTRICT (8)	.18	.27	1.56	.69	1.62	2.88	2.16	1.42	1.14	1.03	.51	.41	14.66
Ashley	.09	.18	1.32	.86	1.34	3.27	1.52	1.84	1.13	1.09	.38	.36	12.61
Ellendale	T	.20	M	.47	1.35	3.92	2.84	1.40	1.14	1.18	.46	.27	13.03
Forman	.39	.33	2.02	.44	1.69	3.71	1.96	2.81	.74	1.81	.72	.59	17.21
Fullerton	.07	.21	2.34	1.13	1.68	2.77	2.15	2.12	1.19	1.23	1.46	.71	20.22
Hankinson	.24	.05	1.03	.43	1.56	3.12	2.35	3.45	1.43	1.48	1.32	.67	18.62
Lisbon	.11	.02	1.40	.26	2.00	3.04	3.01	1.61	1.31	1.06	.42	.48	16.79
McLeod	.20	.16	2.15	.59	1.74	2.26	1.80	1.39	1.63	2.13	.90	.56	18.02
Napoleon	.36	.42	1.63	.53	1.99	2.03	1.82	.82	1.24	1.23	M	.35	12.82
Wahpeton	.23	.04	1.57	.22	1.35	3.95	2.85	3.07	1.67	2.14	.75	.35	19.29
Wishek	.49	M	1.45	.59	1.45	1.80	2.94	1.38	.73	1.96	M	M	14.72
SOUTHEAST DISTRICT (9)	.19	.17	1.83	.52	1.72	2.95	3.51	2.30	1.36	1.52	.80	.44	17.33
STATE	.41	.22	1.68	.42	1.69	3.09	2.65	1.99	1.79	1.09	.67	.43	15.95

Underlined figures are partially estimated. M - Missing. T - Trace. 1/ Preliminary Data. Source: Environmental Data and Information Service.

WEATHER DATA CONT.

LONG-TERM MEAN TEMPERATURES BY MONTHS AND STATIONS.
North Dakota, 1951-80 (Degrees F)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Foxholm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Grenora	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Kenmare	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Minot Exp. Station	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mohall	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Parshall	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Powers Lake	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Williston WSO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NORTHWEST DISTRICT (1)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bottineau	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Drake	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Granville	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Leeds	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rolla	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rugby	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Upham	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Westhope	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Willow City	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NORTH CENTRAL DISTRICT (2)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Devils Lake	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Edmore	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Grafton	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Grand Forks FAA AP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hannah	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Langdon Exp. Farm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Park River	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pembina	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Petersburg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NORTHEAST DISTRICT (3)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Butte	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Center	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dunn Center	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Garrison	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Max	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Turtle Lake	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Washburn	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WEST CENTRAL DISTRICT (4)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carrington	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fessenden	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Jamestown FAA Airport	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
McClusky	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pettibone	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Steele	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CENTRAL DISTRICT (5)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amenia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cooperstown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fargo WSO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hillsboro	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mayville	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sharon	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Valley City	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
EAST CENTRAL DISTRICT (6)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amidon	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bowman	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dickinson Exp. Station	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hettinger	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Medora	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mott	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Richardton	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOUTHWEST DISTRICT (7)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bismarck WSO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Gatron	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fort Yates	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Linton	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mandan Exp. Station	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
New Salem	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOUTH CENTRAL DISTRICT (8)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ashley	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ellendale	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forman	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fullerton	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hankinson	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lisbon	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
McLeod	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Napoleon	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wahpeton	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wishek	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOUTHEAST DISTRICT (9)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
STATE	5.8	12.9	24.1	41.2	54.3	63.7	[illegible]	[illegible]	56.7	45.0	27.7	14.0	40.3

Source: Environmental Data and Information Service

WEATHER DATA CONT.

LONG-TERM PRECIPITATION BY MONTHS AND STATIONS,
North Dakota, 1951-80 (Inches)

District and Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	.40	.39	.65	1.61	2.80	2.71	2.04	1.99	1.18	.82	.70	.63	14.71
Foxholm	.46	.40	.67	1.54	2.13	3.29	1.99	2.06	1.73	.91	.90	.67	16.06
Grenora	.43	.41	.66	1.28	2.30	2.93	2.12	1.73	1.02	.75	.72	.63	14.29
Kenmare	.53	.48	.80	1.46	2.11	.3	1.85	1.82	1.61	.89	.91	.84	15.66
Minot Exp. Station	.58	.53	.81	1.40	2.35	3.13	2.35	2.02	1.66	.87	.94	.94	17.14
Mohall	.44	.40	.67	1.35	2.24	3.18	2.02	2.03	1.62	.78	.82	.67	16.16
Parshall	.34	.35	.62	1.39	2.24	3.04	2.16	1.88	1.61	.78	.84	.67	16.03
Powers Lake	.39	.36	.64	1.31	2.07	3.14	2.24	1.98	1.61	.82	.87	.83	15.18
Williston WSO	.33	.30	.57	1.23	1.85	2.68	1.83	1.62	1.31	.74	.80	.71	13.82
NORTHWEST DISTRICT (1)	.44	.44	.70	1.40	2.16	3.13	2.09	1.94	1.53	.83	.85	.76	15.73
Bottineau	.47	.41	.70	1.41	2.15	3.41	2.47	2.47	1.98	.93	.98	.90	17.78
Drake	.42	.35	.66	1.40	2.19	3.34	2.15	2.02	1.96	.93	.93	.83	17.09
Granville	.43	.42	.61	1.40	2.13	3.40	2.40	2.02	1.76	.90	.94	.90	16.95
Leeds	.33	.30	.67	1.43	2.19	3.28	2.22	2.11	1.71	.89	.91	.80	17.04
Rolla	.33	.29	.68	1.28	2.05	3.44	2.49	2.16	1.61	.84	.91	.84	16.73
Rugby	.39	.33	.66	1.29	2.07	3.14	2.33	2.16	1.61	.84	.91	.83	16.76
Upham	.46	.41	.69	1.36	2.11	3.08	2.31	2.12	1.66	.86	.98	.88	16.86
Westhope	.47	.38	.72	1.37	2.18	3.26	2.31	2.16	1.66	.91	.93	.87	17.66
Willow City	.36	.38	.70	1.40	2.24	3.28	2.28	2.11	1.76	.91	.93	.91	17.77
NORTH CENTRAL DISTRICT (2)	.43	.41	.67	1.38	2.11	3.29	2.31	2.16	1.76	.89	.93	.86	16.91
Devils Lake	.38	.41	.76	1.65	2.48	3.42	2.61	2.48	1.88	.94	.93	.93	19.02
Edmore	.42	.38	.68	1.48	2.40	3.45	2.58	2.34	1.88	.94	.93	.93	18.56
Stratton	.39	.44	.74	1.52	2.53	3.45	2.34	2.34	1.96	.94	.98	.93	18.76
Grand Forks FAA AP	.76	.71	.92	1.76	2.85	3.43	2.59	2.31	1.96	.91	.98	.96	19.29
Hannah	.43	.43	.74	1.47	2.27	3.47	2.68	2.41	1.96	.91	.98	.94	17.68
Langdon Exp. Farm	.39	.48	.71	1.51	2.44	3.47	2.49	2.41	1.96	.91	.96	.91	18.72
Park River	.52	.50	.76	1.62	2.62	3.43	2.59	2.31	1.96	.91	.96	.94	19.27
Pembina	.50	.41	.69	1.43	2.40	3.36	2.46	2.28	1.93	.91	.96	.91	18.34
Petersburg	.39	.36	.74	1.52	2.54	3.45	2.59	2.34	1.96	.91	.96	.91	18.28
NORTHEAST DISTRICT (3)	.45	.44	.73	1.53	2.54	3.43	2.57	2.33	1.94	.92	.96	.92	18.73
Butte	.42	.34	.54	1.21	1.98	3.11	2.46	1.98	1.78	.98	.93	.94	17.27
Center	.43	.34	.57	1.44	2.41	3.44	2.46	2.03	1.71	.93	.93	.94	17.74
Dunn Center	.40	.38	.66	1.60	2.53	3.43	2.46	2.03	1.71	.93	.93	.94	18.20
Garrison	.41	.38	.67	1.60	2.53	3.43	2.46	2.03	1.71	.93	.93	.94	18.43
Max	.46	.36	.61	1.47	2.41	3.44	2.46	2.03	1.71	.93	.93	.94	18.35
Turtle Lake	.41	.38	.69	1.62	2.71	3.43	2.46	2.03	1.71	.93	.93	.94	18.73
Watford	.44	.39	.59	1.53	2.50	3.43	2.46	2.03	1.71	.93	.93	.94	18.43
WEST CENTRAL DISTRICT (4)	.42	.37	.62	1.53	2.49	3.43	2.46	2.03	1.71	.93	.93	.94	18.46
Carrington	.61	.59	.85	1.58	2.63	3.77	2.54	2.22	1.91	.98	.93	.91	19.18
Fessenden	.61	.56	.76	1.48	2.44	3.63	2.49	2.19	1.88	.96	.93	.91	18.49
Jamestown FAA Airport	.60	.58	.78	1.56	2.68	3.63	2.54	2.28	1.93	.96	.98	.93	19.22
Medina	.57	.52	.80	1.61	2.76	3.66	2.54	2.28	1.93	.96	.98	.93	19.68
Pettibone	.61	.55	.74	1.58	2.66	3.66	2.54	2.28	1.93	.96	.98	.93	19.66
Tuttle	.56	.54	.82	1.58	2.66	3.66	2.54	2.28	1.93	.96	.98	.93	19.68
CENTRAL DISTRICT (5)	.59	.55	.82	1.57	2.66	3.66	2.54	2.28	1.93	.96	.98	.93	19.69
Colgate	.60	.57	.80	1.66	2.68	3.66	2.54	2.28	1.93	.96	.93	.94	19.79
Cooperstown	.53	.51	.81	1.58	2.59	3.66	2.54	2.28	1.93	.96	.93	.94	19.46
Fargo WSO	.70	.66	.85	1.68	2.76	3.74	2.54	2.28	1.93	.96	.93	.91	20.14
Hillsboro	.63	.59	.83	1.71	2.81	3.74	2.54	2.28	1.93	.96	.93	.91	20.26
Mayville	.61	.57	.84	1.66	2.74	3.66	2.54	2.28	1.93	.96	.93	.91	19.93
Sharon	.62	.62	.83	1.66	2.74	3.66	2.54	2.28	1.93	.96	.93	.91	19.94
Valley City	.64	.64	.83	1.68	2.68	3.66	2.54	2.28	1.93	.96	.93	.91	19.91
EAST CENTRAL DISTRICT (6)	.61	.59	.83	1.68	2.71	3.69	2.54	2.28	1.93	.96	.93	.91	19.95
Amidon	.37	.37	.54	1.43	2.34	3.47	2.33	1.97	1.61	.94	.93	.89	18.80
Bowman	.33	.32	.52	1.40	2.42	3.45	2.31	1.97	1.61	.94	.93	.89	18.74
Dickinson Exp. Station	.36	.36	.57	1.53	2.53	3.45	2.31	1.98	1.61	.93	.93	.91	19.37
Fairfield	.34	.35	.54	1.44	2.34	3.45	2.31	1.98	1.61	.93	.93	.91	18.87
Hettinger	.37	.37	.59	1.49	2.56	3.45	2.31	1.98	1.61	.93	.93	.91	19.43
Medora	.43	.41	.61	1.48	2.46	3.45	2.31	1.98	1.61	.93	.93	.91	19.30
Mott	.34	.34	.51	1.40	2.42	3.45	2.31	1.98	1.61	.93	.93	.91	19.23
Richardton	.37	.36	.53	1.50	2.51	3.45	2.31	1.98	1.61	.93	.93	.91	19.49
SOUTHWEST DISTRICT (7)	.36	.35	.56	1.46	2.46	3.46	2.31	1.98	1.61	.93	.93	.91	19.46
Bismarck WSO	.51	.47	.70	1.61	2.61	3.45	2.31	1.98	1.61	.93	.93	.91	19.81
Carson	.43	.40	.62	1.48	2.46	3.45	2.31	1.98	1.61	.93	.93	.91	19.31
Fort Yates	.41	.39	.58	1.45	2.53	3.45	2.31	1.98	1.61	.93	.93	.91	19.21
Linton	.43	.42	.64	1.48	2.56	3.45	2.31	1.98	1.61	.93	.93	.91	19.45
New Salem	.47	.45	.67	1.51	2.64	3.45	2.31	1.98	1.61	.93	.93	.91	19.60
Shields	.43	.39	.60	1.45	2.56	3.45	2.31	1.98	1.61	.93	.93	.91	19.49
SOUTH CENTRAL DISTRICT (8)	.41	.39	.60	1.46	2.56	3.45	2.31	1.98	1.61	.93	.93	.91	19.53
Ashley	.37	.36	.54	1.40	2.46	3.47	2.33	1.97	1.61	.94	.93	.89	18.91
Glenfield	.42	.41	.61	1.51	2.56	3.47	2.33	1.97	1.61	.94	.93	.89	19.44
Kordan	.37	.37	.56	1.44	2.46	3.47	2.33	1.97	1.61	.94	.93	.89	19.04
Pollerton	.40	.40	.60	1.49	2.49	3.47	2.33	1.97	1.61	.94	.93	.89	19.42
Harvey WPCL Station	.41	.41	.58	1.49	2.56	3.47	2.33	1.97	1.61	.94	.93	.89	19.49
Linton	.44	.44	.63	1.54	2.61	3.47	2.33	1.97	1.61	.94	.93	.89	19.80
McLeod	.38	.38	.53	1.44	2.46	3.47	2.33	1.97	1.61	.94	.93	.89	19.07
Napoleon	.40	.39	.56	1.47	2.49	3.47	2.33	1.97	1.61	.94	.93	.89	19.15
Wishek	.42	.41	.58	1.49	2.49	3.47	2.33	1.97	1.61	.94	.93	.89	19.22
SOUTHEAST DISTRICT (9)	.40	.40	.58	1.49	2.51	3.47	2.33	1.97	1.61	.94	.93	.89	19.31
STATE	.47	.43	.70	1.53	2.39	3.44	2.37	2.07	1.77	.90	.93	.87	17.87

Source: Environmental Data and Information Service

WEATHER DATA CONT.

LENGTH OF GROWING SEASON, SELECTED STATIONS, NORTH DAKOTA, AT TEMPERATURES OF 28°F AND 32°F OR ABOVE

Station and County		Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
		(Date)	(Date)	(Date)	(Date)	(Days)	(Days)	(Years)
Northwest District								
Crosby	Divide	May 10	May 18	Sept. 16	Sept. 23	120	137	63
Minot Exp.	Ward	May 12	May 20	Sept. 17	Sept. 26	119	137	69
Mohall	Renville	May 11	May 18	Sept. 16	Sept. 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept. 12	Sept. 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept. 11	Sept. 23	111	133	41
Williston	Williams	May 4	May 13	Sept. 22	Sept. 28	132	146	78
North Central District								
Bottineau	Bottineau	May 15	May 21	Sept. 15	Sept. 23	116	130	70
Granville	McHenry	May 13	May 19	Sept. 15	Sept. 25	119	134	65
Maddock	Benson	May 15	May 23	Sept. 13	Sept. 21	113	129	53
Towner	McHenry	May 14	May 21	Sept. 12	Sept. 21	114	129	54
Northeast District								
Grafton	Walsh	May 9	May 18	Sept. 19	Sept. 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept. 23	Sept. 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept. 11	Sept. 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept. 13	Sept. 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept. 17	Sept. 25	119	135	70
West Central District								
Dunn Center	Dunn	May 12	May 17	Sept. 18	Sept. 27	122	137	50
Garrison	McLean	May 8	May 18	Sept. 19	Sept. 25	124	139	62
Washburn	McLean	May 6	May 13	Sept. 24	Oct. 1	137	148	76
Watford City	McKenzie	May 7	May 13	Sept. 19	Sept. 27	127	141	34
Central District								
Fessenden	Wells	May 8	May 17	Sept. 18	Sept. 26	123	140	60
Jamestown	Stutsman	May 5	May 15	Sept. 20	Sept. 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept. 18	Sept. 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept. 12	Sept. 17	111	124	46
East Central District								
Amenia	Cass	May 6	May 15	Sept. 23	Sept. 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept. 19	Sept. 26	121	138	69
Fargo	Cass	May 4	May 12	Sept. 26	Oct. 2	137	151	66
Mayville	Traill	May 8	May 17	Sept. 24	Oct. 2	129	147	57
Southwest District								
Beach	Golden Valley	May 12	May 20	Sept. 18	Sept. 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept. 21	Sept. 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept. 14	Sept. 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept. 20	Sept. 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept. 15	Sept. 23	122	136	43
South Central District								
Carson #2	Grant	May 11	May 19	Sept. 15	Sept. 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept. 23	Sept. 28	133	144	59
Southeast District								
Edgeley Exp.	LaMoure	May 11	May 18	Sept. 19	Sept. 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept. 20	Sept. 27	123	139	64
McLeod	Ransom	May 9	May 15	Sept. 22	Sept. 29	129	143	62
Napoleon	Logan	May 14	May 21	Sept. 16	Sept. 23	116	132	72
Oakes	Dickey	May 5	May 13	Sept. 23	Oct. 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept. 25	Oct. 3	136	151	65

PLANTING AND HARVEST PROGRESS

PERCENT OF ACREAGE PLANTED AND HARVESTED BY SPECIFIED DATES, NORTH DAKOTA, 1983 AND 5-YEAR AVERAGE (1979-83)

Crop	Year	Percent Planted by Specified Dates						
		April			May			June
		10	20	30	10	20	30	10
Durum Wheat	1983		1/	6	29	53	91	
	Average		1/	16	37	55	83	97
Other Spring Wheat	1983		1	14	47	71	95	
	Average		9	26	48	65	87	98
Oats	1983		1	12	41	66	94	
	Average	1	7	23	44	62	86	97
Barley	1983		1/	9	38	71	96	
	Average	1	1/	22	46	64	86	97
Flax	1983			1	5	22	63	93
	Average		1/	3	8	20	48	80
Corn	1983			1	6	31	72	96
	Average		1/	2	10	31	61	88
Soybeans	1983				2	37	86	
	Average			1/	6	34	70	94
Beans, Dry	1983				1/	15	69	97
	Average			1/	2	19	62	94
Potatoes	1983			2	8	35	81	
	Average			4	18	46	78	97
Sunflower	1983				1	8	51	92
	Average			1/	3	14	46	83
Sugarbeets	1983			35	87	97		
	Average	1	14	45	73	87	98	

Crop	Year	Percent Harvested by Specified Dates										
		July	August			September			October			Nov.
		30	10	20	30	10	20	30	10	20	30	10
Durum Wheat	1983	1/	15	54	76	97						
	Average	1/	8	29	49	76	88	95				
Other Spring Wheat	1983	1	28	70	87	98						
	Average	2	17	43	64	85	93	98				
Winter Wheat	1983	19	79	95								
	Average	20	63	89	98							
Oats	1983	3	41	76	93							
	Average	5	27	54	75	91	97	99				
Barley	1983	6	54	89	98							
	Average	9	35	62	79	92	97	98				
Flax	1983			9	27	61	72	86	93	96		
	Average			6	16	35	52	70	81	88	93	98
Rye	1983	24	84	97								
	Average	21	66	91	98							
Corn for Grain	1983					1	4	30	62	78	94	
	Average					1/	2	9	30	47	69	86
Soybeans	1983					3	9	36	65	77	95	
	Average					3	7	24	50	70	89	99
Beans, Dry	1983			1/	2	17	31	58	81	89	96	
	Average			1/	2	14	35	60	84	91	96	
Potatoes	1983			1/	3	8	21	55	80	89	98	
	Average			1/	2	11	32	61	84	93	98	
Sunflower	1983					1/	1	11	29	60	91	
	Average					1/	1	5	17	38	60	82
Sugarbeets	1983					3	8	16	50	75		
	Average						3	9	35	74	96	

1/ Less than one-half of one percent.

CROPS

NORTH DAKOTA CROP SUMMARY, 1983

The Season in Review

The 1983 crop season got off to a relatively slow start, but as the season progressed, it became the earliest harvesting year on record for many crops. The average date for beginning fieldwork was April 26, about 2 weeks later than normal.

Small grain seeding began in the southwestern and southeastern counties in mid-April and spread to the rest of the State in early May. Seeding progress was excellent until mid-May when a late spring snowstorm dropped 10 inches of snow in some western counties and freezing rain fell over the remainder of the State. Despite the precipitation and cool temperatures, by May 29, planting progress for all small grains and row crops except flax was one to two weeks ahead of normal. Seeding of small grains was 99 percent complete by June 5.

The entire State enjoyed adequate or better topsoil moisture conditions as of May 15, but this situation deteriorated into the summer months. On June 12, 64 percent of the State was short or very short of topsoil moisture, affecting all but the eastern counties and a few south central counties. By comparison, the five-year average shows only 28 percent of the State to be short of moisture by June 12. The moisture situation varied considerably through June and July, but by August 14, only 2 percent of the State had adequate or better moisture. These droughty conditions reduced the yields for almost all crops Statewide.

Hot temperatures and severe thunderstorms contributed to yield losses for most crops in July and August. Small grain crops were stressed by the 100+ degree temperatures while mostly in the dough stage of development. Thunderstorms provided moisture for many areas, but high winds and hail often accompanied the rains. The hot weather and drying conditions from late July through August pushed the maturing of small grains and allowed for earlier harvesting. By August 14, the small grain harvest was 10 days ahead of normal, ranging from 46 percent complete for hard red spring wheat to 97 percent for rye.

Small grain harvest was virtually wrapped up by September 4. Based on a Statewide average completion rate, this was the earliest harvest date on record and at least two weeks ahead of normal. Row crops were being pushed to rapid maturity by the hot, dry weather.

The season's first hard freeze came during the week of September 18-25. Combining of flax, corn and soybeans was ahead of normal by then but potato and dry bean harvests were lagging behind due to rains in their respective growing areas. Sunflower harvest was just getting started (about normal for the date) until after the frost. Once the plants were killed by the frost and adequate dry-down allowed, harvest progress moved well ahead of normal. By November 6, 97 percent of the sunflower crop had been harvested, well ahead of progress during the last four years. Harvest of all other row crops finished the same as, or ahead of, normal this year.

General Acreage & Production Summary

Acreage: The total planted acreage of all estimated crops (excluding hay) in 1983 was 16.4 million acres, down 18 percent from 20.0 million in 1982. This year will be noted for its large acreage diversion into the Payment-In-Kind Program.

Abandonment was near or below normal levels for most crops.

Production and Yield: Total crop output in North Dakota in 1983 dropped 26 percent from 1982.

Average yields per acre were noticeably smaller than in 1982 for all crops except soybeans, potatoes, rye and millet, indicative of declining soil moisture and high temperatures during the growing season.

Index of Crop Production – North Dakota
1970-83 (1967=100)

Year	Grains			Oil Crops	Misc. 1/	Hay	All Crops
	Food	Feed	All				
1970	87	110	94	144	124	116	102
1971	162	136	154	97	148	119	145
1972	120	137	125	107	138	123	124
1973	132	119	129	126	155	101	127
1974	116	69	102	88	180	114	108
1975	145	92	129	120	181	127	132
1976	158	89	137	88	189	96	132
1977	126	118	123	244	238	78	134
1978	157	133	150	328	261	152	171
1979	139	94	125	586	213	136	166
1980	98	56	86	276	213	61	105
1981	181	134	167	405	306	115	187
1982	181	139	169	535	243	135	196
1983	108	147	119	393	220	122	146

1/ Non-oil sunflower, potatoes, sugar beets, dry edible beans, alfalfa seed.

NORTH DAKOTA'S PRINCIPAL CROPS: ACREAGE, YIELD, PRODUCTION

DOMESTIC UNITS

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		Unit	Production	
	1982	1983	1982	1983	1982	1983		1982	1983
	(000)	(000)	(000)	(000)				(000)	(000)
Corn, Grain			520	435	68.0	67.0	Bu.	35,360	29,145
Silage			348	262	6.2	6.3	Tons	2,158	1,651
Forage			12	11			---		
All	890	720	880	708			---		
Wheat, Durum	3,560	2,090	3,450	2,050	32.5	26.5	Bu.	112,125	54,325
Spring 1/	7,000	5,100	6,900	5,000	31.0	27.0	Bu.	213,900	135,000
Winter	175	200	140	170	34.0	31.0	Bu.	4,760	5,270
All	10,735	7,390	10,490	7,220	31.5	27.0	Bu.	330,785	194,595
Oats	1,300	1,500	1,150	1,260	54.0	50.5	Bu.	62,100	63,630
Barley	2,080	2,800	2,040	2,700	53.0	46.0	Bu.	108,120	124,200
Rye	110	165	100	150	34.0	34.0	Bu.	3,400	5,100
Flaxseed	500	450	475	440	14.0	11.5	Bu.	6,650	5,060
Soybeans	410	540	400	530	21.0	27.5	Bu.	8,400	14,575
Bean, Dry Edible	300	170	240	160	10.5	10.3	Cwt.	2,520	1,648
Sunflower, Oil	3,190	2,230	3,140	2,200	1100.0	1040.0	Lbs.	3,454,000	2,288,000
Non-Oil	210	115	208	114	1200.0	1100.0	Lbs.	249,600	125,400
All	3,400	2,345	3,348	2,314	1106.0	1043.0	Lbs.	3,703,600	2,413,400
Millet for Grain	75	75	55	60	24.0	29.0	Bu.	1,320	1,740
Mustard	26	33	25	31	900.0	650.0	Lbs.	22,500	20,150
Sugarbeets	145.7	143.1	144.8	142.2	17.1	16.9	Tons	2,476	2,404
Potatoes, Fall	122	128	115	124	150.0	165.0	Cwt.	17,250	20,460
Hay, Alfalfa			1,670	1,650	2.00	1.80	Tons	3,340	2,970
All Other			1,550	1,670	1.45	1.25	Tons	2,248	2,088
All			3,220	3,320	1.74	1.52	Tons	5,588	5,058
Total Acres 2/	23,314	19,779	22,683	19,159					

METRIC UNITS

Crop	Hectares Planted		Hectares Harvested		Yield per Hectare Metric Tons		Production Metric Tons	
	1982	1983	1982	1983	1982	1983	1982	1983
Corn, Grain			210,440	176,040	4.27	4.21	898,190	740,320
Silage			140,830	106,030	13.90	14.13	1,957,700	1,497,760
Forage			4,860	4,450				
All	360,170	291,380	356,130	286,520				
Wheat, Durum	1,440,700	845,800	1,396,180	829,610	2.19	1.78	3,051,540	1,478,480
Spring 1/	2,832,830	2,063,920	2,792,360	2,023,450	2.08	1.82	5,821,400	3,674,100
Winter	70,820	80,940	56,660	68,800	2.29	2.08	129,550	143,430
All	4,344,350	2,990,660	4,245,200	2,921,860	2.12	1.81	9,002,490	5,296,010
Oats	526,100	607,040	465,390	509,910	1.94	1.81	901,380	923,590
Barley	841,760	1,133,130	825,570	1,092,660	2.85	2.47	2,354,040	2,704,140
Rye	44,520	66,770	40,470	60,700	2.13	2.13	86,360	129,550
Flaxseed	202,350	182,110	192,230	178,060	.88	.72	168,920	128,530
Soybeans	165,920	218,530	161,880	214,490	1.41	1.85	228,610	396,670
Beans, Dry Edible	121,410	68,800	97,130	64,750	1.18	1.15	114,300	74,750
Sunflower, Oil	1,290,960	902,460	1,270,730	890,320	1.23	1.17	1,566,700	1,037,810
Non-Oil	84,990	46,520	84,170	46,130	1.35	1.23	113,220	56,880
All	1,375,950	949,000	1,354,900	936,450	1.24	1.17	1,679,920	1,094,690
Millet for Grain	30,350	30,350	22,260	24,280	1.32	1.59	29,340	38,670
Mustard	10,520	13,360	10,120	12,550	1.01	.73	10,210	9,140
Sugarbeets	58,960	57,910	58,600	57,550	38.33	37.90	2,246,190	2,180,870
Potatoes, Fall	49,370	51,800	46,540	50,180	16.81	18.49	782,440	928,050
Hay, Alfalfa			675,830	667,740	4.48	4.04	3,030,000	2,694,340
All Other			627,270	675,830	3.25	2.80	2,039,350	1,894,200
All			1,303,100	1,343,570	3.89	3.42	5,069,350	4,588,540
Total Hectares 2/	9,434,830	8,004,410	9,179,520	7,753,530				

1/ Spring Wheat other than Durum. 2/ Planted acres include harvested for hay.

HISTORIC ESTIMATES, PRINCIPAL CROPS, NORTH DAKOTA, 1974-83

ACREAGE, YIELD AND PRODUCTION

ALL WHEAT

Year	Acres Planted	Acres Harvested	Yield per Acre Harvested	Production
	(000)	(000)	(Bu.)	(000 Bu.)
1974	10,500	10,316	20.4	210,752
1975	10,627	10,213	25.9	264,392
1976	11,930	11,655	24.7	287,830
1977	9,960	9,254	24.8	229,907
1978	9,760	9,585	29.8	286,065
1979	9,900	9,600	26.3	252,235
1980	11,735	9,620	18.7	179,650
1981	11,945	11,690	28.4	331,700
1982	10,735	10,490	31.5	330,785
1983	7,390	7,220	27.0	194,595

OTHER SPRING WHEAT

1974	6,770	6,660	20.5	136,530
1975	6,400	6,130	25.5	156,315
1976	8,080	7,900	24.5	193,550
1977	7,200	6,680	25.0	167,000
1978	6,300	6,210	29.0	180,090
1979	6,400	6,230	26.5	165,095
1980	7,200	5,700	18.5	105,450
1981	7,200	7,050	28.0	197,400
1982	7,000	6,900	31.0	213,900
1983	5,100	5,000	27.0	135,000

DURUM WHEAT

1974	3,600	3,540	20.0	70,800
1975	4,080	3,960	26.5	104,940
1976	3,710	3,620	25.0	90,500
1977	2,600	2,470	24.5	60,515
1978	3,300	3,240	31.5	102,060
1979	3,330	3,250	26.0	84,500
1980	4,400	3,850	19.0	73,150
1981	4,600	4,510	29.0	130,790
1982	3,560	3,450	32.5	112,125
1983	2,090	2,050	26.5	54,325

WINTER WHEAT

1974	130	116	29.5	3,422
1975	147	123	25.5	3,137
1976	140	135	28.0	3,780
1977	160	104	23.0	2,392
1978	160	135	29.0	3,915
1979	170	120	22.0	2,640
1980	135	70	15.0	1,050
1981	145	130	27.0	3,510
1982	175	140	34.0	4,760
1983	200	170	31.0	5,270

OATS

1974	1,670	1,400	31.5	44,100
1975	1,500	1,370	41.0	56,170
1976	1,320	1,180	38.0	44,840
1977	1,900	1,500	40.0	60,000
1978	1,320	1,160	54.0	62,640
1979	1,050	840	44.0	36,960
1980	1,050	450	30.0	13,500
1981	1,200	960	46.0	44,160
1982	1,300	1,150	54.0	62,100
1983	1,500	1,260	50.5	63,630

BARLEY

1974	2,110	2,010	28.0	56,280
1975	2,220	2,100	38.0	79,800
1976	2,200	2,140	38.0	81,320
1977	2,690	2,530	39.0	98,670
1978	2,500	2,450	46.0	112,700
1979	1,700	1,650	46.0	75,900
1980	1,850	1,500	32.0	48,000
1981	2,250	2,200	48.0	105,600
1982	2,080	2,040	53.0	108,120
1983	2,800	2,700	46.0	124,200

RYE

1974	116	106	25.0	2,650
1975	135	119	25.0	2,975
1976	120	111	25.5	2,831
1977	110	80	26.0	2,080
1978	200	180	30.0	5,400
1979	170	150	28.0	4,200
1980	100	70	21.0	1,470
1981	90	80	32.0	2,560
1982	110	100	34.0	3,400
1983	165	150	34.0	5,100

FLAXSEED

1974	886	836	8.0	6,688
1975	815	770	10.0	7,700
1976	495	470	8.0	3,760
1977	750	700	10.0	7,000
1978	360	350	11.5	4,025
1979	480	460	13.0	5,980
1980	350	290	10.0	2,900
1981	350	340	12.5	4,250
1982	500	475	14.0	6,650
1983	450	440	11.5	5,060

SUGARBEETS

	(000)	(000)	(Tons)	(000 Tons)
1974	143.2	139.9	11.2	1,562
1975	139.6	130.9	13.9	1,820
1976	153.2	149.8	13.5	2,022
1977	157.8	155.2	17.8	2,769
1978	156.2	155.2	19.7	3,054
1979	145.3	143.1	16.1	2,304
1980	147.6	142.7	14.1	2,017
1981	145.6	144.9	18.6	2,695
1982	145.7	144.8	17.1	2,476
1983	143.1	142.2	16.9	2,404

POTATOES

	(000)	(000)	(Cwt.)	(000 Cwt.)
1974	139	135	170	22,950
1975	116	110	160	17,600
1976	126	123	140	17,220
1977	142	140	160	22,400
1978	137	135	175	23,625
1979	121	114	160	18,240
1980	114	112	140	15,680
1981	119	115	175	20,125
1982	122	115	150	17,250
1983	128	124	165	20,460

ALL DRY EDIBLE BEANS

	(000)	(000)	(Cwt.)	(000 Cwt.)
1974	134	102	6.5	663
1975	127	122	9.7	1,183
1976	144	139	8.0	1,112
1977	115	105	10.5	1,103
1978	118	113	11.0	1,243
1979	110	105	13.5	1,418
1980	265	255	10.5	2,678
1981	430	415	11.0	4,565
1982	300	240	10.5	2,520
1983	170	160	10.3	1,648

Dry Beans by Commercial Classes (000 Cwt.)

Year	Peas, Navy	Great Northern	Pinto	Other	Total
1974	46	15	594	8	663
1975	61	2	1,117	3	1,183
1976	63	5	1,043	1	1,112
1977	150	9	944	0	1,103
1978	270	3	966	4	1,243
1979	247	3	1,158	10	1,418
1980	404	0	2,248	26	2,678
1981	870	0	3,570	125	4,565
1982	840	0	1,596	84	2,520
1983	598	0	1,020	30	1,648

HISTORIC ESTIMATES CONT.

ACREAGE, YIELD AND PRODUCTION

Year	Acres Planted	Acres Harvested	Acres Harvested	Yield per Acre	Production
	(000)	(000)	(000)	(Bu.)	(000 Bu.)
	ALL CORN		CORN GRAIN		
1974	533	520	170	48.0	8,160
1975	500	467	140	51.0	7,140
1976	510	501	204	40.0	8,160
1977	620	600	260	73.0	18,980
1978	600	593	300	79.0	23,700
1979	590	580	313	76.0	23,788
1980	700	655	290	58.0	16,820
1981	900	893	513	81.0	41,553
1982	890	880	520	68.0	35,360
1983	720	708	435	67.0	29,145

Year	Acres Harvested	Yield per Acre	Production	Acres
	(000)	(Ton)	(000 Tons)	(000)
	CORN SILAGE			EXPAND
1974	320	5.6	1,792	30
1975	294	5.4	1,588	33
1976	280	5.0	1,400	17
1977	309	5.1	1,576	31
1978	274	6.7	1,836	19
1979	252	6.7	1,688	15
1980	326	4.3	1,402	39
1981	366	7.3	2,672	14
1982	348	6.2	2,158	12
1983	262	6.3	1,651	11

Year	Acres Planted	Acres Harvested	Yield per Acre Harv.	Production
	(000)	(000)	(Bu.)	(000 Bu.)
	SOYBEANS			
1974	168	165	16.5	2,723
1975	180	149	19.5	2,906
1976	150	147	12.5	1,838
1977	180	175	20.0	3,500
1978	175	173	27.5	4,758
1979	210	206	27.0	5,562
1980	210	200	17.5	3,500
1981	235	230	28.0	6,440
1982	410	400	21.0	8,400
1983	540	530	27.5	14,575
	SUNFLOWER - OIL			
	(000)	(000)	(Pounds)	(000 Lbs.)
1974	193	188	1000	188,000
1975	376	349	1100	383,900
1976	433	420	1000	420,000
1977	1,190	1,155	1270	1,466,850
1978	1,740	1,731	1340	2,319,540
1979	3,300	3,220	1360	4,379,200
1980	2,200	2,050	980	2,009,000
1981	2,420	2,400	1200	2,880,000
1982	3,190	3,140	1100	3,454,000
1983	2,230	2,200	1040	2,288,000
	SUNFLOWER - NON-OIL			
1974	186	179	920	164,680
1975	166	149	1100	163,900
1976	187	180	1000	180,000
1977	170	165	1160	191,400
1978	180	179	1260	225,540
1979	160	158	1300	205,400
1980	200	185	930	172,050
1981	230	228	1220	278,160
1982	210	208	1200	249,600
1983	115	114	1100	125,400
	SUNFLOWER - TOTAL			
1974	379	367	960	352,680
1975	542	498	1100	547,800
1976	620	600	1000	600,000
1977	1,360	1,320	1255	1,658,250
1978	1,920	1,910	1333	2,545,080
1979	3,460	3,378	1357	4,584,600
1980	2,400	2,235	976	2,181,050
1981	2,650	2,628	1202	3,158,160
1982	3,400	3,348	1106	3,703,600
1983	2,345	2,314	1043	2,413,400

Year	Acres Harvested	Yield per Acre	Production
	(000)	(Tons)	(000 Tons)
	ALL HAY		
1974	3,700	1.27	4,707
1975	3,540	1.49	5,268
1976	3,440	1.16	3,976
1977	3,140	1.03	3,229
1978	3,430	1.83	6,286
1979	3,500	1.61	5,650
1980	2,820	.89	2,519
1981	3,230	1.47	4,761
1982	3,220	1.74	5,588
1983	3,320	1.52	5,058
	ALFALFA HAY		
1974	1,830	1.55	2,837
1975	1,920	1.90	3,648
1976	1,840	1.30	2,392
1977	1,600	1.20	1,920
1978	1,900	2.10	3,990
1979	2,000	1.85	3,700
1980	1,220	.95	1,159
1981	1,600	1.60	2,560
1982	1,670	2.00	3,340
1983	1,650	1.80	2,970
	OTHER HAY		
1974	1,870	1.00	1,870
1975	1,620	1.00	1,620
1976	1,600	.99	1,584
1977	1,540	.85	1,309
1978	1,530	1.50	2,295
1979	1,500	1.30	1,950
1980	1,600	.85	1,360
1981	1,630	1.35	2,201
1982	1,550	1.45	2,248
1983	1,670	1.25	2,088

Year	Acres Planted	Acres Harvested	Yield per Acre Harv.	Production
	MILLET			
	(Acres)	(Acres)	(Bu.)	(000 Bu.)
1974	140,000	120,000	29.0	3,480
1975	120,000	96,000	29.5	2,832
1976	118,000	91,000	15.0	1,365
1977	210,000	166,000	30.0	4,980
1978	85,000	70,000	28.5	1,995
1979	80,000	65,000	32.0	2,080
1980	160,000	50,000	28.0	1,400
1981	130,000	85,000	33.0	2,805
1982	75,000	55,000	24.0	1,320
1983	75,000	60,000	29.0	1,740
	MUSTARD			
	(Acres)	(Acres)	(Pounds)	(000 Lbs.)
1979	45,000	43,000	700	30,100
1980	50,000	41,000	650	26,650
1981	70,000	69,000	920	63,480
1982	26,000	25,000	900	22,500
1983	33,000	31,000	650	20,150

Year	Summerfallow	Principal Crops Total	
		Planted*	Harvested
	- - - Thousand Acres - - -		
1974	6,690	20,594	19,917
1975	7,040	20,522	19,685
1976	6,440	21,312	20,747
1977	6,380	21,249	19,865
1978	6,550	20,716	20,304
1979	6,500	21,491	20,834
1980	6,450	21,857	18,441
1981	5,200	23,720	23,080
1982	5,300	23,269	22,683
1983	6,900	19,736	19,161

*Includes acres harvested for hay.

HISTORIC ESTIMATES CONT.

SEASON AVERAGE PRICE AND VALUE OF PRODUCTION

Crop of	Season Average Price*	Value of Production	Value per Harvested Acre
	(Dols./Bu.)	(000 Dols.)	(Dols./Ac.)
ALL WHEAT			
1974	4.95	1,043,923	101.19
1975	4.28	1,131,964	110.34
1976	2.60	748,932	64.26
1977	2.47	567,367	61.31
1978	2.84	813,154	84.84
1979	3.82	964,142	100.43
1980	4.40	790,157	82.14
1981	3.54	1,175,784	100.58
1982	3.69	1,221,083	116.40
1983	3.82	743,353	102.96
SPRING WHEAT OTHER THAN DURUM			
1974	4.45	607,559	91.23
1975	4.05	633,076	103.28
1976	2.67	516,779	65.42
1977	2.40	400,800	60.00
1978	2.80	504,252	81.20
1979	3.53	582,785	93.54
1980	3.92	413,364	72.52
1981	3.59	708,666	100.52
1982	3.71	743,569	115.01
1983	3.80	513,000	102.60
DURUM			
1974	5.97	422,676	119.40
1975	4.65	487,971	123.23
1976	2.47	223,535	61.75
1977	2.66	160,970	65.17
1978	2.93	299,036	92.30
1979	4.41	372,645	114.66
1980	5.10	373,065	96.90
1981	3.48	495,149	100.92
1982	3.66	410,378	118.95
1983	3.90	211,868	103.35
WINTER			
1974	4.00	13,688	118.00
1975	3.48	10,917	88.76
1976	2.28	8,618	63.84
1977	2.34	5,597	53.82
1978	2.52	9,866	73.08
1979	3.30	8,712	72.60
1980	3.55	3,728	53.26
1981	3.41	11,969	92.07
1982	3.60	17,136	122.40
1983	3.55	18,709	110.05
OATS			
1974	1.41	62,181	44.42
1975	1.32	74,144	52.12
1976	1.37	61,431	52.06
1977	.94	56,400	37.60
1978	1.00	62,640	54.00
1979	1.16	42,874	51.04
1980	1.77	23,895	53.10
1981	1.63	71,981	74.98
1982	1.20	74,520	64.80
1983	1.35	85,901	68.18
BARLEY			
1974	3.10	174,468	86.80
1975	2.55	203,490	96.90
1976	2.24	182,157	85.12
1977	1.54	151,952	60.06
1978	1.78	200,606	81.88
1979	2.06	156,354	94.76
1980	2.62	125,760	83.84
1981	2.15	227,040	103.20
1982	1.90	205,428	100.70
1983	2.25	279,450	103.50
RYE			
1974	2.53	6,705	63.25
1975	2.34	6,962	58.50
1976	2.40	6,744	61.41
1977	1.80	3,744	46.80
1978	1.69	9,126	50.70
1979	1.70	7,140	47.60
1980	2.64	3,881	55.44
1981	2.77	7,091	88.64
1982	2.01	6,834	68.34
1983	1.80	9,180	61.20
FLAXSEED			
1974	9.60	64,205	76.80
1975	6.51	50,127	65.10
1976	7.18	26,997	57.44
1977	4.64	32,480	46.40
1978	5.84	23,536	67.16
1979	5.76	32,445	74.88
1980	7.18	20,822	71.80
1981	6.57	27,923	82.13
1982	5.14	34,181	71.96
1983	6.80	34,408	78.20
SUGARBEETS*			
1974	38.70	60,244	432.09
1975	26.50	51,870	396.26
1976	19.70	34,833	265.91
1977	21.40	59,257	381.81
1978	25.90	69,937	450.63
1979	34.10	78,566	549.03
1980	46.30	93,387	654.43
1981	20.50	55,248	381.28
1982	35.70	88,393	610.25
1983	1/	1/	1/
POTATOES*			
1974	3.15	72,293	535.90
1975	4.20	73,920	672.00
1976	3.25	59,409	483.00
1977	2.70	60,480	432.00
1978	2.60	61,425	475.00
1979	3.25	59,280	520.00
1980	6.80	107,208	959.00
1981	4.05	81,006	708.75
1982	4.35	75,038	652.50
1983	4.50	92,670	742.50
DRY EDIBLE BEANS*			
1974	23.90	15,846	155.35
1975	14.70	17,590	122.54
1976	11.20	12,252	89.60
1977	15.80	17,427	165.97
1978	13.50	16,781	148.50
1979	22.50	31,905	303.86
1980	24.70	66,147	259.40
1981	19.80	90,378	217.78
1982	11.30	28,476	118.65
1983	20.10	33,125	207.03
CORN			
1974	3.07	25,851	147.39
1975	2.52	17,993	128.52
1976	2.14	17,870	85.60
1977	1.97	37,341	143.81
1978	2.06	48,822	162.74
1979	2.13	50,668	161.88
1980	2.87	48,273	166.46
1981	2.39	99,312	193.59
1982	2.69	95,118	182.92
1983	3.10	90,350	207.70
SOYBEANS			
1974	6.00	16,338	99.02
1975	4.99	14,501	97.32
1976	7.30	13,417	91.27
1977	5.83	20,405	116.60
1978	6.75	32,117	185.65
1979	5.80	32,260	156.60
1980	7.02	24,570	122.85
1981	5.86	36,450	158.28
1982	5.41	45,444	113.61
1983	7.50	107,855	203.50
SUNFLOWER - OIL*			
1974	16.80	30,644	163.00
1975	10.20	39,926	114.40
1976	10.80	25,360	108.00
1977	10.50	154,019	133.35
1978	10.20	241,232	139.36
1979	8.76	383,618	119.14
1980	10.80	216,972	105.84
1981	10.50	302,400	126.00
1982	8.60	247,042	92.60
1983	12.50	286,000	130.00
SUNFLOWER - NON-OIL*			
1974	14.60	24,043	134.32
1975	11.70	19,376	128.70
1976	11.30	21,060	117.00
1977	10.90	20,863	126.44
1978	10.90	24,584	137.34
1979	11.70	22,032	152.10
1980	13.20	22,711	122.76
1981	13.20	36,717	161.04
1982	12.10	30,202	145.20
1983	14.90	18,685	163.90
SUNFLOWER - TOTAL*			
1974	15.51	54,687	149.01
1975	10.80	59,102	118.68
1976	11.10	66,420	110.70
1977	10.60	174,882	132.49
1978	10.20	265,816	139.17
1979	8.89	407,650	120.68
1980	11.00	239,683	107.24
1981	10.70	339,117	129.04
1982	8.84	327,246	97.74
1983	12.60	304,088	131.41
ALL HAY*			
1974	41.50	195,341	52.79
1975	36.00	189,648	53.57
1976	49.50	180,908	52.59
1977	44.50	142,076	45.25
1978	36.00	226,260	65.97
1979	37.50	211,875	60.54
1980	70.00	188,925	66.99
1981	58.00	276,138	85.49
1982	41.50	231,902	72.02
1983	38.50	194,733	58.65
TOTAL PRINCIPAL CROPS			
1974		1,791,487	92.12
1975		1,891,111	98.18
1976		1,416,622	69.58
1977		1,323,861	68.38
1978		1,830,190	91.78
1979		2,077,159	101.53
1980		1,732,908	96.35
1981		2,487,968	110.35
1982		2,433,663	109.41
1983 1/		1,974,513	105.85

*Season average price: sugarbeets and hay, dollars per ton; potatoes, sunflower and dry edible beans, dollars per hundredweight.
1/ Sugarbeets are not included for 1983 as price is not available.

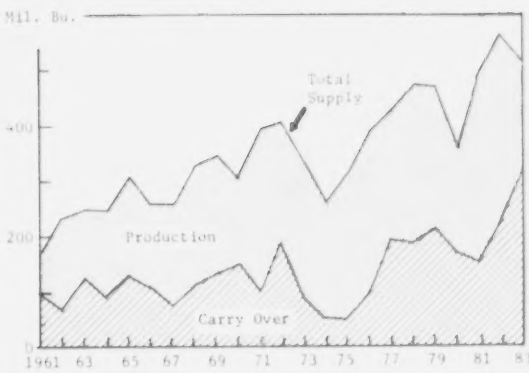
GRAIN STOCKS

STOCKS BY POSITIONS, QUARTERLY, NORTH DAKOTA, 1974-83

Year Beginning Oct. 1	On Farm				Off Farm				Total			
	Oct. 1	Jan. 1	April 1	June 1 1/	Oct. 1	Jan. 1	April 1	June 1 1/	Oct. 1	Jan. 1	April 1	June 1 1/
	Thousand Bushels											
ALL WHEAT												
1974	166,494	111,694	84,301	35,828	42,477	31,458	22,172	11,701	208,971	143,157	106,473	47,529
1975	198,294	142,772	111,045	76,674	49,839	40,475	30,444	21,709	248,133	183,247	141,489	98,383
1976	238,899	207,238	175,576	161,185	67,449	55,849	46,224	33,400	306,348	263,087	221,800	194,585
1977	298,879	246,000	209,215	156,337	58,339	47,578	41,199	32,804	357,218	293,578	250,414	189,141
1978	314,672	271,762	243,155	180,221	64,186	47,076	43,565	32,042	378,858	318,838	286,720	212,263
1979	317,816	242,146	194,221	138,729	62,839	43,409	41,600	35,500	380,655	285,555	235,821	174,229
1980	213,784	179,650	154,499	116,773	59,000	53,500	43,000	34,626	272,784	233,150	197,499	151,399
1981	338,334	278,628	252,092	199,020	64,850	49,205	42,000	32,241	402,634	327,833	294,092	231,261
1982	439,944	360,556	304,322	258,012	69,500	56,000	51,500	51,000	509,444	416,556	355,822	309,012
1983	280,217	243,244	216,000		73,000	62,000	57,500		353,217	305,244	273,500	
DURUM WHEAT												
1974	62,304	45,312	33,270	12,039	13,647	11,280	6,672	3,625	75,951	56,592	39,948	15,661
1975	74,507	55,618	45,194	33,581	16,536	14,251	10,876	9,148	91,043	69,869	56,000	42,729
1976	95,930	83,260	68,780	61,540	22,124	18,455	15,009	10,048	118,054	101,715	83,789	71,588
1977	89,562	70,197	51,438	40,545	16,280	13,231	10,209	7,490	105,842	83,428	61,647	48,035
1978	100,019	83,680	71,442	60,215	15,141	11,455	11,668	8,211	115,160	94,744	82,910	68,426
1979	103,090	74,360	54,025	42,250	16,725	10,428	11,240	6,101	119,815	84,788	66,165	48,351
1980	71,687	59,983	49,742	37,307	15,973	15,600	11,050	7,599	87,660	75,583	60,792	44,906
1981	121,635	100,708	90,245	77,166	19,000	13,000	10,500	7,529	140,635	113,708	100,745	84,695
1982	150,248	132,308	109,883	98,670	21,500	18,000	16,000	16,000	171,748	150,308	125,883	114,670
1983	108,650	82,574	76,598		24,500	22,500	20,000		133,150	105,074	96,598	
BARLEY												
1974	47,838	33,768	21,386	10,130	9,026	8,276	6,887	5,302	56,864	42,044	28,273	15,432
1975	63,840	49,476	36,708	28,728	10,553	9,222	7,814	5,649	74,393	58,698	44,522	34,377
1976	65,869	49,605	34,154	19,517	12,389	10,206	9,479	6,490	78,258	59,811	43,633	26,007
1977	84,856	72,976	52,209	42,428	11,082	10,265	11,288	6,917	95,938	86,241	65,557	49,345
1978	118,335	96,922	76,631	61,985	12,392	13,720	14,700	12,017	130,727	110,642	91,336	74,002
1979	106,260	88,803	68,310	52,371	16,539	11,569	12,400	9,167	122,799	100,372	80,710	61,538
1980	72,000	51,840	36,480	28,800	12,880	12,500	10,200	8,437	84,880	64,340	49,080	37,237
1981	91,872	69,696	52,800	42,240	11,000	8,621	8,215	6,298	102,872	78,317	61,015	48,538
1982	117,851	102,714	73,522	60,547	14,500	11,000	10,000	9,000	132,351	113,714	83,522	69,547
1983	114,264	85,698	73,278		15,300	13,900	11,230		129,564	99,598	84,508	
OATS												
1974	52,920	42,777	26,460	14,553	17,877	14,896	13,205	12,658	70,797	57,673	39,665	27,211
1975	56,732	47,745	30,332	23,291	14,588	12,594	10,970	6,823	71,320	60,339	41,302	30,414
1976	56,050	41,253	25,110	17,039	5,922	3,400	2,633	2,037	61,972	44,653	27,743	19,076
1977	66,000	53,400	40,200	30,600	4,488	3,381	3,294	2,943	70,488	56,781	43,494	33,543
1978	68,904	62,640	46,980	35,078	5,259	4,380	4,039	3,345	74,163	67,020	51,019	38,423
1979	59,136	49,896	37,330	26,611	3,965	3,081	2,010	1,551	63,101	52,977	39,340	28,162
1980	33,750	26,325	15,390	11,475	1,610	1,400	1,500	1,076	35,360	27,725	16,890	12,551
1981	45,043	35,328	22,522	17,222	2,200	1,800	1,300	1,185	47,243	37,128	23,822	18,407
1982	65,205	54,648	37,260	27,945	2,900	2,100	1,750	1,200	68,105	56,748	39,010	29,145
1983	60,449	41,906	36,905		3,300	1,600	1,130		63,749	43,506	38,035	

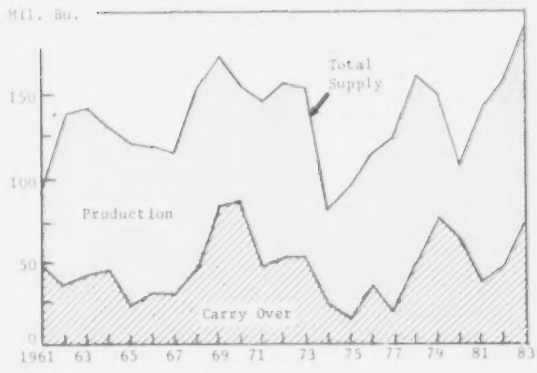
1/ July 1 prior to 1976.

ALL WHEAT
Total Supply, Production and
June 1 Carry Over*, North Dakota 1961-83



*July 1 prior to 1976.

BARLEY
Total Supply, Production and
June 1 Carry Over*, North Dakota, 1961-83



*July 1 prior to 1976.

GRAIN STOCKS CONT.

STOCKS BY POSITIONS, QUARTERLY, NORTH DAKOTA, 1974-83

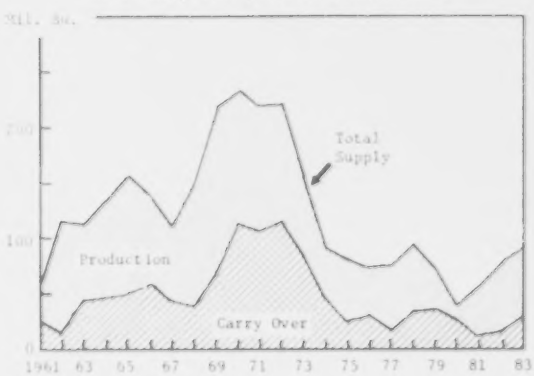
Year Beginning Oct. 1	On Farm				Off Farm				Total			
	Oct. 1	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1
	- - - - - - - - - - - - Thousand Bushels - - - - - - - - - - - -											
RYE												
1979	4,452	3,696	3,360	2,940	1,432	1,043	916	812	5,884	4,739	4,276	3,752
1980	1,646	1,279	720	382	560	389	330	127	2,206	1,668	1,050	509
1981	1,434	768	512	358	240	180	143	67	1,674	948	655	425
1982	2,176	1,870	1,632	1,530	460	320	300	250	2,636	2,190	1,932	1,780
1983 1/												
FLAXSEED												
1979	4,664	2,930	2,332	1,674	859	1,340	620	602	5,523	4,270	2,952	2,276
1980	2,900	1,740	1,044	609	372	660	360	313	3,272	2,380	1,404	922
1981	3,018	2,168	1,403	850	900	400	260	233	3,918	2,568	1,663	1,083
1982	3,591	2,994	1,862	1,596	780	1,500	1,200	1,000	4,371	4,494	3,062	2,596
1983 1/												
Year	Jan. 1	April 1	June 1	Oct. 1 2/	Jan. 1	April 1	June 1	Oct. 1 2/	Jan. 1	April 1	June 1	Oct. 1 2/
CORN												
1974	5,712	3,427	1,387	816	820	459	296	154	6,532	3,886	1,683	970
1975	5,365	3,570	2,071	428	974	648	265	423	6,339	4,218	2,336	851
1976	5,059	3,504	1,705	816	808	519	566	336	5,867	4,028	2,361	1,152
1977	15,184	11,008	7,592	5,314	1,321	1,121	848	733	16,505	12,129	8,440	6,047
1978	21,330	13,746	11,850	9,559	1,755	1,817	1,172	960	23,085	15,563	13,022	9,966
1979	19,724	14,373	11,894	9,515	2,058	890	986	863	21,802	15,163	12,880	10,378
1980	13,061	8,024	6,728	3,364	2,500	1,907	1,112	420	16,461	9,931	7,886	3,784
1981	29,087	26,178	24,101	22,854	3,767	2,974	2,364	1,950	32,854	29,152	26,465	24,804
1982	38,896	37,128	35,380	17,680	3,350	4,650	4,571	9,200	42,246	41,778	39,951	26,880
1983	20,402	18,944			8,900	5,850			29,302	24,794		
SOYBEANS												
1974	1,770	1,532	654	272	844	654	642	406	2,614	2,206	1,296	678
1975	1,403	1,191	872	409	1,184	816	731	222	2,637	2,007	1,603	679
1976	1,195	372	257	74	431	150	123	108	1,626	522	434	182
1977	2,265	1,395	875	356	791	543	345	171	2,996	1,838	1,220	521
1978	2,760	2,284	1,332	428	954	662	503	375	3,714	2,946	1,835	803
1979	3,621	3,059	2,392	278	1,351	920	723	414	5,022	3,979	3,115	692
1980	1,750	1,600	700	245	912	640	250	330	2,662	2,040	1,150	575
1981	3,284	2,769	1,672	708	1,700	1,200	360	330	4,984	3,969	2,032	1,038
1982	5,208	2,856	2,520	804	1,800	860	752	360	7,008	3,716	3,272	864
1983	4,373	3,642			2,500	1,735			6,873	5,379		
	- - - - - - - - - - Million Pounds - - - - - - - - - -											
SUNFLOWER												
1982				92.6				220.0				312.6
1983	530.9	289.6			760.0	380.0			1,290.9	669.6		

1/ Estimates made on June 1 only starting 1983 crops. 2/ September 1 for soybeans.

HAY

Crop Of	Production	Stocks Jan. 1	Stocks May 1
	- - - Thousand Ton - - -		
1974	4,707	3,813	941
1975	5,268	4,267	1,528
1976	3,976	3,299	716
1977	3,229	2,809	452
1978	6,285	5,091	1,697
1979	5,650	5,255	1,526
1980	2,519	2,645	479
1981	4,761	3,761	809
1982	5,588	4,806	1,844
1983	5,058	4,148	1,315

OATS
Total Supply, Production and June 1 Carry Over*, North Dakota, 1961-83



*July 1 prior to 1976.

POTATOES

NUMBER OF HILLS, HARVEST LOSSES AND SEED

Number of hills per acre and harvest loss are from the annual potato objective yield survey conducted in North Dakota. These data are presented here for information but are not considered official estimates. Objective yield sample plots were located in potato fields that were selected on a random basis. Field enumerators recorded counts and measurements just prior to and immediately after harvest.

The seed potato acres listed were eligible for final certification based on history, field inspections and certain other preliminary requirements of the North Dakota State Seed Department.

Certified Seed Potatoes 1/
North Dakota, 1977-83

Year	Acres Eligible
1977	40,299
1978	34,454
1979	25,301
1980	22,557
1981	25,380
1982	27,263
1983	29,183

1/ N.D. State Seed Dept.

POTATOES: Number of Hills and Harvest Loss per Acre, North Dakota, 1980-1983 1/

Year	REDS			WHITES			RUSSETS			ALL TYPES
	Number of Samples	Average Hills per Acre	Harvest Loss	Number of Samples	Average Hills per Acre	Harvest Loss	Number of Samples	Average Hills per Acre	Harvest Loss	Harvest Loss per Acre
	(No.)	(No.)	(Cwt.)	(No.)	(No.)	(Cwt.)	(No.)	(No.)	(Cwt.)	(Cwt.)
1980	44	10,041	26	112	9,961	24	19	10,003	35	26
1981	35	9,246	24	122	9,751	28	12	9,085	42	28
1982	34	9,431	38	101	9,384	35	31	10,563	25	33
1983	47	10,793	18	112	10,078	22	17	9,868	32	22

1/ Harvest loss pertains to potatoes left in field at time of harvest.

POTATOES: Production, Disposition, Price and Value, North Dakota, 1979-1982

Crop of	Production	Total Used for Seed 1/	Farm Disposition Used on Farms Where Grown		Sold 2/	Price per Hundredweight	Value of Production	
			For Seed, Feed and Household Use	Shrinkage and Loss			Production	Sales
	- - - - - - Thousand Hundredweight - - - - - -					-Dollars-	---Thousand Dollars---	
1979	18,240	1,710	320	2,500	15,420	3.25	59,280	50,115
1980	15,680	1,726	400	1,250	14,030	6.85	107,408	96,106
1981	20,125	1,784	405	2,610	17,110	4.05	81,506	69,296
1982 3/	17,250	1,798	360	1,725	15,165	4.35	75,038	65,968

1/ Includes seed purchased and seed used on farms where grown. 2/ Consists of potatoes sold for all purposes including food, seed, processing and livestock seed. 3/ Preliminary.

POTATOES: Acreage, Yield, Production and Stocks, North Dakota 1980-1983

Crop Year	Harvested Acres	Yield per Acre	Production	Stocks on Hand					
				December 1	January 1	February 1	March 1	April 1	May 1
	(000)	(Cwt.)	(000 Cwt.)	- - - - - - - - - - Thousand Hundredweight - - - - - - - - - -					
					REDS				
1980	30.2	130	3,940	3,125	2,314	1,560	1,242	600	77
1981	28.8	164	4,730	3,450	2,964	2,350	1,584	1,104	437
1982	27.2	145	3,940	3,484	2,760	2,256	2,002	1,274	483
1983 1/	27.6	159	4,378	3,150	2,790	2,060	1,640	1,300	625
					WHITES				
1980	70.6	141	9,960	6,185	5,251	3,770	2,254	960	280
1981	77.0	178	13,685	8,832	7,011	5,640	4,464	2,484	703
1982	72.1	154	11,120	7,839	6,843	5,170	3,850	2,254	861
1983 1/	81.3	169	13,817	9,600	7,750	6,280	4,445	2,590	1,560
					RUSSETS				
1980	11.2	159	1,780	1,390	1,335	1,170	1,104	840	493
1981	9.2	186	1,710	1,518	1,425	1,410	1,152	1,012	760
1982	15.8	139	2,190	2,077	1,897	1,974	1,848	1,372	756
1983 1/	14.9	152	2,265	2,250	2,160	1,960	1,715	910	215
					TOTAL				
1980	112.0	140	15,680	10,700	8,900	6,500	4,600	2,400	850
1981	115.0	175	20,125	13,800	11,400	9,400	7,200	4,600	1,900
1982	115.0	150	17,250	13,400	11,500	9,400	7,700	4,900	2,100
1983 1/	124.0	165	20,460	15,000	12,700	10,300	7,800	4,800	2,400

1/ Preliminary.

VARIETIES

BARLEY

Percent of Acreage Planted by Varieties, 1977-83

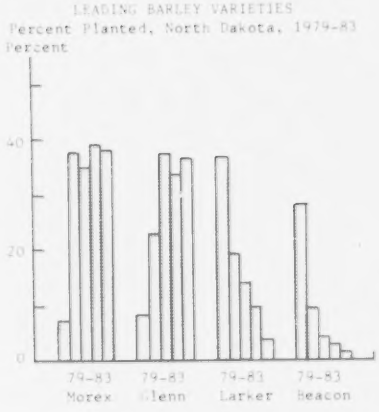
Variety	1977	1979	1980	1981	1982	1983 Pct.	1983 Acres Planted
	- - - - - Percent - - - - -						- 000 -
*Morex	-	7.6	38.2	35.2	38.7	38.3	1,071.6
*Glenn	-	8.0	22.5	37.7	33.7	36.5	1,021.8
*Azure	-	-	-	-	1/	5.1	141.8
Hector	-	1/	0.6	1.5	2.7	4.3	118.8
*Larker	37.9	36.7	18.7	13.5	8.8	3.8	107.1
Bumper	-	-	-	1.6	3.8	3.0	84.3
Bedford	-	-	-	1/	0.9	2.3	65.2
*Beacon	38.3	28.2	9.3	3.9	2.4	0.9	25.3
Nordic	9.4	6.6	2.0	1.4	1.4	0.9	26.5
*Park	-	1.4	1.0	1.2	1.2	0.5	14.8
*Bonanza	6.7	2.7	0.6	0.9	1.8	1/	-
Summit	-	1/	0.5	1/	0.8	1/	-
*Dickson	2.7	2.1	1.3	0.7	0.8	1/	-
Keystone	0.3	-	1/	1/	0.6	1/	-
*Vanguard	0.6	0.6	1/	1/	0.5	1/	-
*Manker	2.8	2.9	0.6	1/	1/	1/	-
Other & Unknown	1.3	3.2	4.7	2.4	1.9	4.4	122.8
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	2,800.0

1/ Less than 0.1 percent. *Recommended as acceptable malting varieties by the American Malting Barley Association, Inc.

Morex was the most popular barley variety planted in 1983. It was planted on 38 percent of all barley acres, about the same percentage as last year and was number one for the second consecutive year. Glenn ranked number two, and a close second to Morex with 36 percent of the total.

These two varieties have been in the number 1 or 2 positions since 1980 with Glenn first only in 1981. Azure, a new variety introduced last year, was third with 5.1 percent.

North Dakota leads the Nation in barley production accounting for 21 percent of the total in 1982. Barley was planted on 2.8 million acres in the State this year. That's up 35 percent over 1982 plantings and represents 27 percent of current National acreage.



Percent of Acreage Planted by Crop Reporting Districts, North Dakota, 1983

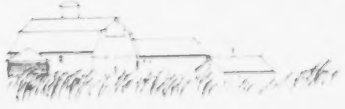
Variety	Northwest	North Cent.	Northeast	West Cent.	Central	East Cent.	Southwest	South Cent.	Southeast	State
					- - - - - Percent - - - - -					
Morex	67.9	66.4	31.9	19.8	15.7	29.3	11.7	8.4	48.8	38.3
Glenn	6.7	19.9	49.8	21.4	40.3	54.4	8.9	26.8	32.9	36.5
Azure	0.6	4.5	3.6	2.4	14.5	10.1	0.2	3.6	4.0	5.1
Hector	8.1	-	-	19.5	-	-	52.5	10.0	-	4.3
Larker	7.2	2.6	0.5	12.4	11.7	0.4	5.4	24.7	3.4	3.8
Bumper	3.3	1.6	2.4	-	8.7	4.0	-	-	5.6	3.0
Bedford	-	2.4	6.4	-	-	-	0.6	-	-	2.3
Beacon	-	0.4	1.1	2.8	3.1	0.3	2.7	0.6	0.5	0.9
Nordic	-	-	0.6	8.1	-	0.4	1.0	4.6	1.8	0.9
Park	0.4	-	1.5	-	-	0.1	-	-	-	0.5
Other & Unknown	5.8	2.2	2.2	13.6	6.0	1.0	17.0	21.3	3.0	4.4

OATS

Otana was the leading oat variety planted in 1983. It accounted for over 21 percent of all oat acreage in the State. Kelsey was the second most popular variety, while Fidler ranked third, Moore fourth, and Harmon fifth. The leading 5 varieties accounted for nearly three-fourths of the State's oat acreage.

Similar surveys were conducted in 1975 and 1979. In the 1979 survey, Kelsey was the leading oat variety with 30 percent of the acreage followed by Harmon and Rodney.

Oat acreage in North Dakota increased 23 percent this year to 1.6 million acres. The State accounts for nearly 8 percent of the Nation's 1983 planted acreage and ranked 10th nationally in production last year.



Percent of Acreage Planted by Varieties, 1975-83

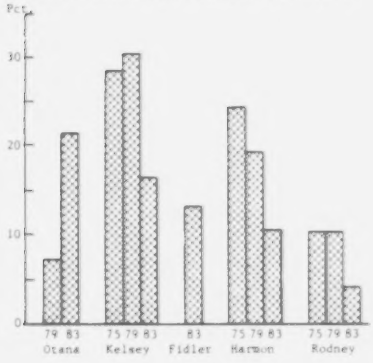
Variety	1975	1979	1983 Percent	1983 Acres Planted
	- - - Percent - - -			- 000 -
Otana	-	7.2	21.3	319.5
Kelsey	28.3	30.1	16.4	246.0
Fidler	-	-	13.1	196.5
Moore	-	-	12.0	180.0
Harmon	24.3	19.3	10.3	154.5
Rodney	11.4	11.1	4.2	63.0
Lyon	-	3.6	3.0	45.0
Burnett	5.4	3.6	2.4	36.0
Russell	6.0	3.6	1.8	27.0
Hudson	-	8.0	1.5	22.5
Garry	4.3	2.3	1.2	18.0
Lodi	2.2	1.0	.6	9.0
Benson	-	-	.5	7.5
Other & Unknown	18.1	10.2	11.7	175.5
All Varieties	100.0	100.0	100.0	1,500.0

OAT VARIETIES CONT.

Percent of Acreage Planted by Crop Reporting Districts, North Dakota, 1983

Variety	North-west	North Cent.	North-east	West Cent.	Cen-tral	East Cent.	South-west	South Cent.	South-east	State
					---- Percent ----					
Otana	44.1	-	-	30.2	4.4	-	50.2	25.0	2.7	21.3
Kelsey	21.4	23.8	-	31.1	8.4	1.1	13.9	14.5	11.5	16.4
Fidler	4.1	48.3	42.8	4.3	28.9	23.2	0.7	0.9	9.0	13.1
Moore	1.8	-	36.5	3.2	21.4	61.1	-	0.4	33.4	12.0
Harmon	8.4	17.3	5.8	6.4	9.5	1.1	8.3	17.7	8.8	10.3
Rodney	1.9	-	-	4.9	2.2	-	3.7	10.1	5.4	4.2
Lyon	-	-	3.9	4.4	11.4	0.4	-	0.5	6.1	3.0
Burnett	-	-	-	0.6	0.3	0.9	2.5	3.5	8.5	2.4
Russell	4.2	-	-	6.0	-	4.0	0.5	-	1.0	1.8
Hudson	-	4.0	2.3	1.5	0.7	2.4	2.9	1.8	-	1.5
Garry	-	-	-	1.6	-	-	-	4.9	0.8	1.2
Lodi	-	-	-	1.2	-	-	-	2.3	-	0.6
Benson	-	-	-	-	1.1	-	-	-	2.7	0.5
Other & Unknown	14.1	6.6	8.7	4.6	11.7	5.8	17.3	18.4	10.1	11.7

LEADING OAT VARIETIES
Percent Planted, North Dakota, 1975, 1979, 1983



WHEAT

(No survey conducted in 1983.)

HARD RED SPRING WHEAT

Percent of Acreage Planted by Variety, North Dakota, 1982 With Comparisons

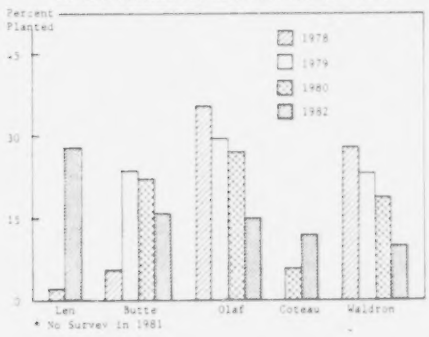
Variety	1975	1978	1979	1980	1982
		- - Percent - -			
Len	--	--	--	1.7	27.6
Butte	--	5.0	23.2	22.1	17.5
Olaf	18.4	35.0	29.2	26.9	14.7
Coteau	--	1/	1/	5.9	11.9
Waldron	49.6	28.3	22.7	18.5	10.3
Solar	--	--	2.0	7.4	6.5
Era	8.0	3.9	2.3	3.7	3.0
Walera	--	--	--	--	2.2
Ellar	2.2	7.3	5.3	2.4	1.7
Alex	--	--	--	--	.8
Prodax	--	3.3	5.1	3.5	.7
Other All Varieties	21.8	17.2	10.2	7.9	5.1
	100.0	100.0	100.0	100.0	100.0

DURUM WHEAT

Percent of Acreage Planted by Variety, North Dakota, 1982 With Comparisons

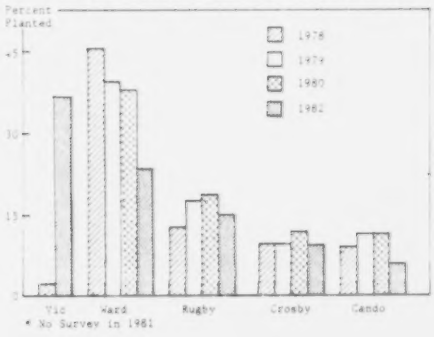
Variety	1975	1978	1979	1980	1982
		- - Percent - -			
Vic	--	--	1/	2.3	36.6
Ward	47.5	45.4	39.2	37.7	23.2
Rugby	1/	13.2	17.3	18.7	15.1
Crosby	1/	10.0	9.9	11.8	10.1
Cando	--	8.8	11.6	11.2	6.0
Rolette	26.0	8.8	6.5	6.2	2.3
Calvin	--	--	2.5	3.1	1.7
Leeds	12.5	3.1	3.0	1.1	1.5
Wells	9.5	3.2	2.6	2.8	1.2
Fcmore	--	--	1/	1.5	.9
Botno	1/	4.0	4.4	1.8	.8
Other All Varieties	4.5	3.5	2.8	1.8	2/.6
	100.0	100.0	100.0	100.0	100.0

HARD RED SPRING WHEAT
TOP FIVE VARIETIES PLANTED, NORTH DAKOTA, 1978-82*



* No Survey in 1981

DURUM WHEAT
TOP FIVE VARIETIES PLANTED, NORTH DAKOTA, 1978-82*

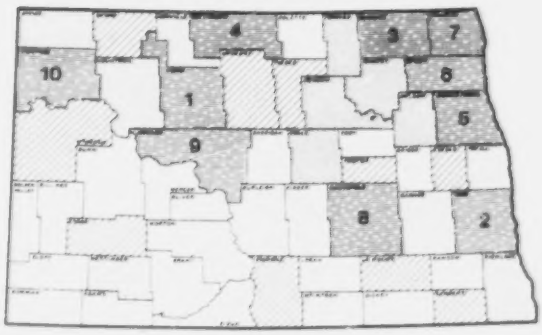


* No Survey in 1981

ALL WHEAT: Acreage, Yield and Production
by Counties, North Dakota, 1983 (Preliminary)

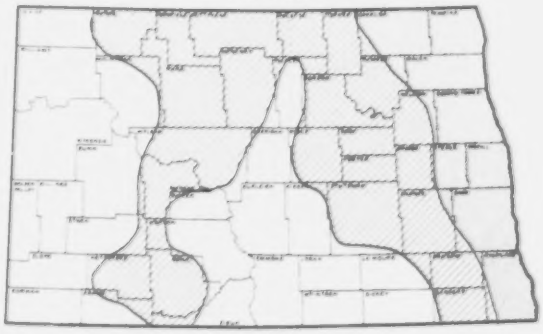
District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	140,000	139,400	25.4	25.5	3,549,000
Divide	180,000	177,800	23.4	23.7	4,205,800
Mountrail	205,000	202,000	23.7	24.0	4,853,000
Renville	140,000	140,000	29.0	29.0	4,057,000
Ward	285,000	281,700	30.1	30.5	8,584,800
Williams	290,000	288,600	21.4	21.5	6,210,200
Northwest	1,240,000	1,229,500	25.4	25.6	31,459,800
Benson	175,000	173,500	26.2	26.4	4,576,300
Bottineau	240,000	235,200	29.3	29.8	7,020,400
McHenry	140,000	138,500	26.0	26.3	3,646,300
Pierce	115,000	113,700	23.2	23.5	2,666,700
Rolette	90,000	89,600	24.9	25.0	2,241,800
North Central	760,000	750,500	26.5	26.9	20,151,500
Cavalier	255,000	252,700	30.2	30.5	7,706,400
Grand Forks	195,000	194,000	35.7	35.9	6,961,000
Nelson	150,000	148,800	29.1	29.3	4,366,900
Pembina	180,000	179,200	36.2	36.4	6,516,400
Ramsey	190,000	188,000	27.1	27.4	5,148,300
Towner	170,000	166,300	25.4	26.0	4,317,000
Walsh	210,000	210,000	33.1	33.1	6,949,000
Northeast	1,350,000	1,339,000	31.1	31.3	41,965,000
Dunn	105,000	94,900	19.8	21.9	2,082,400
McKenzie	140,000	137,600	23.7	24.1	3,311,400
McLean	255,000	244,500	24.9	26.0	6,361,200
Mercer	60,000	55,000	23.1	25.2	1,388,000
Oliver	40,000	40,000	24.5	24.5	980,000
West Central	600,000	572,000	23.5	24.7	14,123,000
Eddy	65,000	64,800	24.2	24.3	1,573,200
Foster	95,000	88,900	26.4	28.2	2,507,200
Kidder	75,000	75,000	21.3	21.3	1,601,000
Sheridan	90,000	89,900	24.9	24.9	2,238,400
Stutsman	270,000	257,000	23.9	25.1	6,456,900
Wells	175,000	173,400	27.8	28.0	4,858,800
Central	770,000	749,000	25.0	25.7	19,235,500
Barnes	215,000	209,000	27.0	27.8	5,809,500
Cass	250,000	238,500	32.3	33.9	8,076,400
Griggs	85,000	84,900	27.7	27.7	2,355,100
Steele	110,000	108,700	30.1	30.5	3,314,400
Traill	125,000	124,400	35.0	35.2	4,373,400
East Central	785,000	765,500	30.5	31.3	23,928,800
Adams	90,000	89,600	24.5	24.6	2,207,200
Billings	30,000	29,400	20.1	20.5	602,000
Bowman	85,000	76,600	20.4	22.7	1,737,400
Golden Valley	60,000	53,100	17.1	19.3	1,026,800
Hettinger	160,000	153,800	26.0	27.0	4,152,800
Slope	70,000	62,600	21.8	24.4	1,525,500
Stark	125,000	124,900	24.8	24.9	3,103,800
Southwest	620,000	590,000	23.2	24.3	14,355,500
Burleigh	115,000	108,600	20.0	21.2	2,299,000
Emmons	140,000	138,000	19.9	20.2	2,781,000
Grant	90,000	84,800	24.6	26.1	2,211,900
Morton	110,000	89,600	18.8	23.1	2,067,100
Sioux	30,000	27,000	18.1	20.1	543,000
South Central	485,000	448,000	20.4	22.1	9,902,000
Dickey	105,000	104,700	22.6	22.7	2,371,600
LaMoure	150,000	148,700	23.3	23.5	3,489,900
Logan	85,000	85,000	19.0	19.0	1,615,000
McIntosh	105,000	105,000	20.4	20.4	2,141,000
Ransom	85,000	84,300	27.6	27.8	2,346,700
Richland	150,000	149,900	33.1	33.1	4,961,900
Sargent	100,000	98,900	25.5	25.8	2,547,800
Southeast	780,000	776,500	25.0	25.1	19,473,900
STATE	7,390,000	7,220,000	26.3	27.0	194,595,000

ALL WHEAT, 1983 - Production by Counties,
(Rank of First Ten Counties Shown)



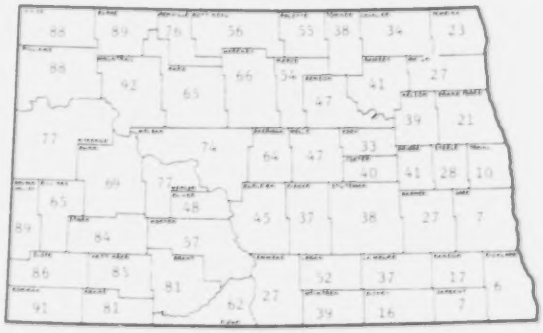
Under 2,500,000 bu.
4,000,000 - 5,999,999 bu.
2,500,000 - 3,999,999 bu.
6,000,000 bu. & over

ALL WHEAT, 1983 - Yield per Harvested Acre
(Bushels)



Under 25.0 bu.
30.0 bu. & over
25.0 - 29.9 bu.

ALL WHEAT - 1983
Percent Planted on Summer Fallow
(Percent)



ALL WHEAT: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

District and County	1982					5-Year Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	186,000	182,900	25.1	25.5	4,661,500	193,000	188,300	23.6	24.1	4,519,400
Divide	237,000	233,800	27.9	28.3	6,615,000	245,100	240,000	26.2	26.6	6,357,400
Mountrail	272,000	243,800	29.1	32.5	7,926,000	279,300	266,200	24.9	26.2	6,941,000
Renville	211,500	209,000	32.8	33.2	6,944,000	199,800	194,600	26.8	27.5	5,390,200
Ward	410,500	405,500	32.4	32.8	13,298,500	404,200	390,400	27.3	28.0	11,064,900
Williams	354,000	344,000	28.7	29.5	10,144,000	355,000	341,500	24.4	25.2	8,630,600
Northwest	1,671,000	1,619,000	29.7	30.6	49,589,000	1,676,300	1,621,100	25.7	26.4	42,903,500
Benson	258,000	253,500	31.8	32.4	8,203,000	262,300	249,100	27.0	28.2	7,038,300
Bottineau	343,000	339,000	32.8	33.2	11,247,000	339,800	327,400	25.4	26.2	8,592,600
McHenry	216,500	213,500	30.5	30.9	6,600,000	236,200	222,700	24.6	25.7	5,725,400
Pierce	172,500	169,500	30.5	31.1	5,264,000	183,200	168,300	23.2	24.9	4,214,800
Rolette	131,000	129,500	33.0	33.4	4,326,000	137,600	133,000	28.0	28.7	3,818,800
North Central	1,121,000	1,105,000	31.8	32.3	35,640,000	1,159,100	1,100,500	25.6	26.7	29,389,900
Cavalier	402,000	397,800	37.3	37.7	15,005,800	371,400	361,300	32.1	32.8	11,800,400
Grand Forks	286,000	283,300	40.2	40.6	11,509,700	264,400	253,300	33.9	34.9	8,886,200
Nelson	233,000	229,000	37.4	38.0	8,708,000	220,400	214,500	30.0	30.5	6,573,400
Pembina	291,000	286,900	39.8	40.4	11,582,000	274,500	262,900	34.0	35.1	9,230,400
Ramsey	312,000	304,000	31.9	32.7	9,952,000	289,000	276,800	28.6	29.6	8,188,200
Towner	277,000	268,000	33.8	35.0	9,376,000	258,200	244,400	27.9	29.2	7,153,800
Walsh	326,000	315,000	35.5	36.7	11,573,500	309,200	289,700	31.8	33.2	9,653,200
Northeast	2,127,000	2,084,000	36.5	37.3	77,707,000	1,987,200	1,902,800	31.2	32.3	61,485,700
Dunn	127,500	125,000	24.3	24.8	3,094,600	137,800	120,300	19.3	20.8	2,617,000
McKenzie	168,000	163,600	29.4	30.2	4,946,400	188,100	166,100	21.6	23.1	3,960,600
McLean	354,500	331,000	29.6	31.7	10,504,000	391,500	371,400	24.9	26.0	9,620,100
Mercer	97,000	96,000	29.0	29.3	2,816,000	99,600	93,400	23.3	24.3	2,304,100
Oliver	56,000	55,400	30.3	30.6	1,697,000	57,000	52,500	22.4	23.5	1,261,500
West Central	803,000	771,000	28.7	29.9	23,058,000	874,100	803,800	22.9	24.3	19,763,300
Eddy	92,000	90,900	32.9	33.3	3,023,000	95,700	90,600	25.0	26.4	2,374,900
Foster	133,500	132,000	33.0	33.3	4,402,000	128,800	120,300	27.3	28.9	3,529,000
Kidder	102,500	101,400	24.1	24.3	2,467,600	116,800	105,600	18.9	20.0	2,193,000
Sheridan	140,500	130,900	25.6	27.5	3,594,200	152,300	142,500	23.4	24.6	3,528,800
Stutsman	391,500	388,400	31.9	32.2	12,489,000	398,100	376,300	26.6	27.5	10,474,800
Wells	246,000	236,900	31.9	33.1	7,848,900	272,000	252,100	27.1	29.0	7,299,800
Central	1,106,000	1,080,500	30.6	31.3	33,824,700	1,163,800	1,087,300	25.5	26.9	29,400,400
Barnes	327,000	324,200	34.0	34.3	11,105,500	309,000	299,700	28.5	29.2	8,737,400
Cass	364,000	358,400	38.6	39.2	14,053,800	363,800	358,000	33.6	34.1	12,084,100
Griggs	138,000	136,400	36.8	37.2	5,080,700	130,800	127,200	29.0	29.6	3,759,200
Steele	162,000	160,300	39.5	39.9	6,391,100	149,400	146,600	32.2	32.7	4,803,200
Traill	177,000	175,700	43.2	43.6	7,651,900	174,000	171,600	36.5	37.0	6,347,500
East Central	1,168,000	1,155,000	37.9	38.3	44,283,000	1,127,200	1,103,000	32.0	32.5	35,731,500
Adams	141,500	136,000	21.3	22.2	3,017,000	143,600	123,600	16.4	18.0	2,315,200
Billings	36,500	35,600	20.6	21.2	753,200	40,700	33,800	16.4	18.4	662,900
Bowman	133,000	121,300	19.9	21.8	2,640,200	133,000	114,800	16.3	18.3	2,156,600
Golden Valley	89,000	83,000	22.6	24.2	2,011,200	93,600	79,200	18.8	20.9	1,709,000
Hettinger	234,000	228,300	24.4	25.0	5,702,800	245,300	219,800	19.7	21.1	4,770,600
Slope	120,000	116,500	27.1	27.9	3,251,000	109,500	96,800	20.4	22.1	2,242,100
Stark	187,000	178,300	21.9	23.0	4,099,100	192,800	173,000	18.9	20.4	3,570,700
Southwest	941,000	899,000	22.8	23.9	21,474,500	958,500	841,000	18.4	20.2	17,427,000
Burleigh	161,000	156,300	25.0	25.8	4,029,500	188,600	162,400	18.7	20.4	3,432,200
Emmons	215,500	214,100	21.3	21.4	4,587,000	219,200	192,100	16.7	18.0	3,675,900
Grant	129,000	124,200	23.3	24.2	3,010,400	136,400	122,500	18.1	19.5	2,457,300
Morton	151,000	149,500	26.3	26.5	3,966,000	154,100	133,800	20.2	22.3	3,103,600
Sioux	43,500	41,900	19.8	20.6	862,900	46,500	42,900	15.6	16.5	726,500
South Central	700,000	686,000	23.5	24.0	16,455,800	744,300	653,800	18.1	19.6	13,395,500
Dickey	127,000	126,000	22.4	22.6	2,845,400	148,400	144,100	21.0	21.6	3,073,900
LaMoure	207,500	206,500	31.2	31.3	6,466,000	224,300	217,900	25.0	25.5	5,519,800
Logan	129,000	128,300	25.8	25.9	3,327,000	138,000	129,600	19.8	20.6	2,718,700
McIntosh	155,000	154,000	20.7	20.9	3,211,000	154,300	143,400	17.8	18.5	2,737,400
Ransom	123,500	122,800	25.4	25.5	3,135,200	114,700	112,600	25.7	26.1	2,876,500
Richland	218,000	215,900	30.0	30.2	6,530,000	212,600	206,600	30.0	30.7	6,386,800
Sargent	138,000	137,000	23.5	23.6	3,238,400	131,600	129,500	24.7	25.1	3,277,100
Southeast	1,098,000	1,090,500	26.2	26.4	28,753,000	1,124,000	1,083,700	23.8	24.5	26,590,300
STATE	10,735,000	10,490,000	30.8	31.5	330,785,000	10,815,000	10,197,000	25.7	26.9	276,087,000

1/ Totals may not add due to rounding.

ALL WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1983 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	124,000	123,400	25.4	25.5	3,152,000	16,000	16,000	24.8	24.8	397,000
Divide	157,700	155,600	23.3	23.6	3,670,700	21,600	21,500	22.9	23.0	494,500
Mountrail	188,000	186,000	23.9	24.1	4,487,000	17,000	16,000	21.5	22.9	366,000
Renville	107,000	107,000	30.5	30.5	3,263,000	33,000	33,000	24.1	24.1	794,000
Ward	184,200	182,000	31.2	31.6	5,747,900	100,800	99,700	28.1	28.5	2,836,900
Williams	254,500	253,100	21.3	21.4	5,417,200	33,800	33,800	21.3	21.3	721,600
Northwest	1,015,400	1,007,100	25.3	25.6	25,737,800	222,200	220,000	25.2	25.5	5,610,000
Benson	81,800	81,600	27.6	27.7	2,258,400	92,100	90,800	24.7	25.1	2,279,400
Bottineau	134,000	132,000	30.1	30.6	4,033,800	106,000	103,200	28.2	28.9	2,986,600
McHenry	92,700	91,700	27.6	27.9	2,559,800	47,100	46,600	22.9	23.1	1,077,500
Pierce	62,600	61,400	24.9	25.4	1,560,200	52,400	52,300	21.1	21.2	1,106,500
Rolette	49,500	49,300	26.4	26.5	1,307,300	40,500	40,300	23.1	23.2	934,500
North Central	420,600	416,000	27.9	28.2	11,719,500	338,100	333,200	24.8	25.2	8,384,500
Cavalier	86,900	86,700	32.8	32.9	2,848,800	168,100	166,000	28.9	29.3	4,857,600
Grand Forks	41,900	41,800	34.8	34.9	1,458,200	152,700	151,800	35.9	36.1	5,486,700
Nelson	58,000	57,800	30.8	30.9	1,786,500	91,800	90,800	28.0	28.3	2,572,400
Pembina	41,000	40,900	33.5	33.6	1,374,500	139,000	138,300	37.0	37.2	5,141,900
Ramsey	78,600	78,300	29.3	29.4	2,299,700	111,400	109,700	25.6	26.0	2,848,600
Towner	64,200	63,000	27.9	28.5	1,792,500	105,800	103,300	23.9	24.4	2,524,500
Walsh	57,200	57,200	31.4	31.4	1,795,100	152,800	152,800	33.7	33.7	5,153,900
Northeast	427,800	425,700	31.2	31.4	13,355,300	921,600	912,700	31.0	31.3	28,585,600
Dunn	72,400	65,300	21.1	23.3	1,524,600	32,600	29,600	17.1	18.8	557,800
McKenzie	107,500	105,200	22.8	23.3	2,454,000	28,300	28,200	22.0	22.1	623,700
McLean	188,700	182,200	25.4	26.3	4,800,900	65,000	61,000	23.1	24.6	1,499,400
Mercer	46,000	42,000	23.9	26.1	1,098,000	14,000	13,000	20.7	22.3	290,000
Oliver	19,000	19,000	26.7	26.7	507,000	21,000	21,000	22.5	22.5	473,000
West Central	433,600	413,700	23.9	25.1	10,384,500	160,900	152,800	21.4	22.5	3,443,900
Eddy	21,500	21,400	26.1	26.2	560,700	43,000	42,900	23.2	23.2	995,500
Foster	37,800	35,700	28.6	30.2	1,079,200	56,400	52,400	24.8	26.7	1,397,000
Kidder	27,600	27,600	25.9	25.9	716,000	45,500	45,500	17.5	17.5	797,800
Sheridan	58,000	57,900	26.0	26.0	1,507,400	32,000	32,000	22.8	22.8	731,000
Stutsman	102,600	98,600	27.1	28.2	2,783,200	167,000	158,000	21.9	23.1	3,655,700
Wells	83,000	82,500	28.3	28.5	2,349,700	92,000	90,900	27.3	27.6	2,509,100
Central	330,500	323,700	27.2	27.8	8,996,200	435,900	421,700	23.1	23.9	10,086,100
Barnes	58,800	56,300	28.6	29.8	1,681,000	155,900	152,400	26.4	27.0	4,118,000
Cass	18,500	17,500	30.9	32.6	571,300	229,600	219,100	32.3	33.9	7,420,100
Griggs	35,000	34,900	30.0	30.1	1,051,000	48,900	48,900	25.6	25.6	1,254,200
Steele	30,500	29,500	31.5	32.6	961,000	79,100	78,800	29.5	29.6	2,335,400
Traill	13,000	13,000	31.2	31.2	405,400	112,000	111,400	35.4	35.6	3,968,000
East Central	155,800	151,200	30.0	30.9	4,669,700	625,500	610,600	30.5	31.3	19,095,700
Adams	72,700	72,400	25.3	25.4	1,839,700	17,300	17,200	21.2	21.4	367,500
Billings	19,500	18,900	21.0	21.7	409,300	10,500	10,500	18.4	18.4	192,700
Bowman	77,000	68,600	20.6	23.1	1,584,400	8,000	8,000	19.1	19.1	153,000
Golden Valley	53,500	47,600	17.3	19.4	924,000	6,500	5,500	15.8	18.7	102,800
Hettinger	135,500	130,300	26.7	27.8	3,621,800	24,500	23,500	21.7	22.6	531,000
Slope	60,000	53,600	22.6	25.3	1,353,500	10,000	9,000	17.2	19.1	172,000
Stark	105,000	104,900	25.2	25.3	2,650,900	20,000	20,000	22.6	22.6	452,900
Southwest	523,200	496,300	23.7	25.0	12,383,600	96,800	93,700	20.4	21.0	1,971,900
Burleigh	51,500	48,600	22.3	23.7	1,150,000	63,000	59,500	18.0	19.0	1,132,500
Emmons	37,600	37,600	21.9	21.9	825,000	100,700	98,700	18.4	18.8	1,855,000
Grant	72,500	68,300	25.2	26.7	1,823,600	17,300	16,300	21.9	23.3	379,300
Morton	63,000	53,000	20.7	24.6	1,304,600	47,000	36,600	16.2	20.8	762,500
Sioux	18,600	16,600	18.9	21.1	351,000	11,400	10,400	16.8	18.5	192,000
South Central	243,200	224,100	22.4	24.3	5,454,200	239,400	221,500	18.1	19.5	4,321,300
Dickey	17,000	17,000	26.8	26.8	456,100	86,900	86,600	21.6	21.7	1,877,600
LaMoure	55,000	55,000	26.5	26.5	1,458,000	94,400	93,100	21.3	21.6	2,006,900
Logan	44,300	44,300	19.6	19.6	870,000	40,500	40,500	18.2	18.2	736,000
McIntosh	40,500	40,500	23.0	23.0	930,000	64,500	64,500	18.8	18.8	1,211,000
Ransom	14,500	14,400	30.5	30.7	441,800	68,500	67,900	26.6	26.9	1,824,900
Richland	8,800	8,800	35.6	35.6	312,900	141,200	141,100	32.9	32.9	4,649,000
Sargent	7,000	6,900	28.6	29.0	200,000	92,600	91,600	25.1	25.4	2,327,800
Southeast	187,100	186,900	25.0	25.0	4,668,800	588,600	585,300	24.9	25.0	14,633,200
STATE	3,737,200	3,644,700	26.1	26.7	97,369,600	3,629,000	3,551,500	26.5	27.1	96,132,200

1/ See page 66 for irrigated acres.

ALL WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1982 (Revised) 1/

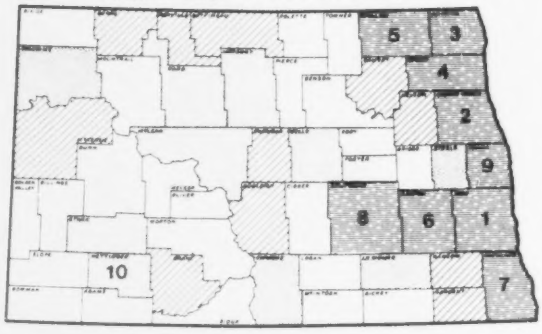
District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	162,800	159,900	25.5	25.9	4,144,200	23,200	23,000	22.3	22.5	517,300
Divide	220,500	217,900	28.1	28.4	6,191,500	15,200	14,600	22.7	23.6	345,000
Mountrail	233,600	209,500	29.3	32.7	6,853,300	38,400	34,300	27.9	31.3	1,072,700
Renville	138,200	137,000	34.5	34.8	4,772,000	73,300	72,000	29.6	30.2	2,172,000
Ward	220,200	217,000	34.0	34.5	7,485,500	190,200	188,400	30.5	30.8	5,808,800
Williams	313,000	304,400	28.9	29.7	9,050,000	38,200	36,800	25.0	25.9	954,000
Northwest	1,288,300	1,245,700	29.9	30.9	38,496,500	378,500	369,100	28.7	29.4	10,869,800
Benson	98,900	97,200	33.2	33.8	3,285,900	158,500	155,700	30.9	31.4	4,890,100
Bottineau	164,000	162,500	33.7	34.0	5,523,700	179,000	176,500	32.0	32.4	5,723,300
McHenry	128,000	126,000	32.7	33.2	4,181,500	88,500	87,500	27.3	27.6	2,418,500
Pierce	83,200	81,900	33.2	33.7	2,763,100	89,300	87,600	28.0	28.5	2,500,900
Rolette	60,500	59,800	33.6	34.0	2,034,500	70,500	69,700	32.5	32.9	2,291,500
North Central	534,600	527,400	33.3	33.7	17,788,700	585,800	577,000	30.4	30.9	17,824,300
Cavalier	93,500	91,900	37.0	37.7	3,463,900	308,500	305,900	37.4	37.7	11,541,900
Grand Forks	54,000	53,800	43.9	44.0	2,368,600	231,500	229,000	39.4	39.8	9,113,600
Nelson	82,200	80,700	38.9	39.7	3,201,100	150,800	148,300	36.5	37.1	5,506,900
Pembina	44,000	43,200	39.9	40.6	1,755,000	247,000	243,700	39.8	40.3	9,827,000
Ramsey	116,500	114,000	32.5	33.2	3,787,200	195,500	190,000	31.5	32.4	6,164,800
Towner	90,500	88,000	35.0	36.0	3,164,600	186,500	180,000	33.3	34.5	6,211,400
Walsh	55,000	53,300	31.9	32.9	1,756,100	271,000	261,700	36.2	37.5	9,817,400
Northeast	535,700	524,900	36.4	37.1	19,496,500	1,590,800	1,558,600	36.6	37.3	58,183,000
Dunn	82,700	81,400	25.9	26.3	2,142,800	44,800	43,600	21.2	21.8	951,800
McKenzie	127,400	124,000	30.5	31.3	3,886,700	36,000	35,000	21.9	22.5	787,700
McLean	234,000	225,400	31.6	32.8	7,395,200	118,900	104,000	25.4	29.1	3,025,000
Mercer	80,000	79,400	29.6	29.8	2,369,000	16,800	16,400	26.1	26.7	438,000
Oliver	35,300	35,100	32.5	32.7	1,149,000	20,700	20,300	26.5	27.0	548,000
West Central	559,400	545,300	30.3	31.1	16,942,700	237,200	219,300	24.2	26.2	5,750,500
Eddy	31,500	31,300	35.6	35.8	1,121,600	60,300	59,400	31.4	31.8	1,891,400
Foster	28,500	28,300	34.9	35.1	993,700	104,300	103,000	32.4	32.8	3,375,800
Kidder	31,200	30,900	28.0	28.3	874,100	70,800	70,000	22.2	22.5	1,571,500
Sheridan	96,300	89,200	26.5	28.6	2,550,500	44,200	41,700	23.6	25.0	1,043,700
Stutsman	103,700	102,800	36.2	36.5	3,750,200	287,600	285,400	30.4	30.6	8,728,800
Wells	88,100	84,500	32.4	33.8	2,854,800	157,900	152,400	31.6	32.8	4,994,100
Central	379,300	367,000	32.0	33.1	12,144,900	725,100	711,900	29.8	30.3	21,605,300
Barnes	50,800	50,200	37.5	38.0	1,905,700	275,700	273,500	33.3	33.6	9,177,300
Cass	6,700	6,700	39.8	39.8	266,900	356,000	350,400	38.5	39.1	13,710,700
Griggs	41,300	41,000	39.1	39.4	1,615,700	95,900	94,600	35.8	36.2	3,429,000
Steele	25,000	24,800	41.8	42.1	1,045,200	137,000	135,500	39.0	39.5	5,345,900
Traill	11,200	11,300	42.1	42.1	475,800	165,600	164,300	43.3	43.6	7,170,600
East Central	135,100	134,000	39.3	39.6	5,309,300	1,030,200	1,018,300	37.7	38.1	38,833,500
Adams	100,000	96,300	21.3	22.1	2,129,900	41,500	39,700	21.4	22.3	887,100
Billings	29,100	28,500	21.8	22.3	635,500	7,400	7,100	15.9	16.6	117,700
Bowman	110,000	101,500	20.5	22.2	2,256,300	23,000	19,800	16.7	19.4	383,900
Golden Valley	60,000	56,000	24.6	26.3	1,473,200	29,000	27,000	18.6	19.9	538,000
Hettinger	166,500	162,100	25.1	25.8	4,180,500	67,500	66,200	22.6	23.0	1,522,300
Slope	111,000	108,200	27.3	28.0	3,034,100	9,000	8,300	24.1	26.1	216,900
Stark	147,500	140,900	22.4	23.4	3,302,400	39,500	37,400	20.2	21.3	796,700
Southwest	724,100	693,500	23.5	24.5	17,011,900	216,900	205,500	20.6	21.7	4,462,600
Burleigh	65,100	62,200	27.8	29.1	1,811,800	95,400	93,600	23.1	23.5	2,200,200
Emmons	60,600	60,000	24.4	24.7	1,480,200	154,800	154,000	20.1	20.2	3,103,800
Grant	83,000	80,400	24.6	25.4	2,039,400	45,900	43,700	21.1	22.1	967,500
Morton	80,200	79,400	27.8	28.1	2,228,600	70,800	70,100	24.5	24.8	1,737,400
Sioux	22,900	22,200	22.3	23.0	509,900	20,600	19,700	17.1	17.9	353,000
South Central	311,800	304,200	25.9	26.5	8,069,900	387,500	381,100	21.6	21.9	8,361,900
Dickey	20,200	20,000	31.4	31.7	633,800	106,500	105,700	20.6	20.8	2,197,500
LaMoure	63,600	63,300	34.3	34.5	2,182,800	142,900	142,200	29.6	29.8	4,235,600
Logan	49,500	49,200	33.3	33.5	1,648,700	79,500	79,100	21.1	21.2	1,678,300
McIntosh	42,700	42,300	26.6	26.8	1,133,700	112,300	111,700	18.5	18.6	2,077,300
Ransom	12,800	12,800	34.4	34.4	440,200	110,300	109,600	24.3	24.4	2,678,600
Richland	6,100	6,100	36.5	36.5	222,900	211,900	209,800	29.8	30.1	6,307,100
Sargent	6,600	6,500	30.4	30.9	200,800	131,200	130,300	23.1	23.2	3,027,200
Southeast	201,500	200,200	32.1	32.3	6,462,900	894,600	888,400	24.8	25.0	22,201,600
STATE	4,669,800	4,542,200	30.3	31.2	141,723,300	6,046,600	5,929,200	31.1	31.7	188,092,500

1/ See page 66 for irrigated acres.

SPRING WHEAT OTHER THAN DURUM
Acreage, Yield and Production by Counties,
North Dakota, 1983 (Preliminary)

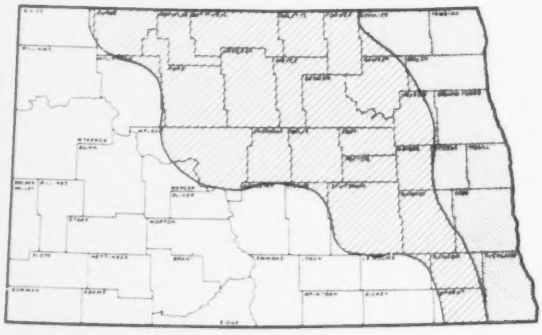
District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	85,000	85,000	25.0	25.0	2,125,000
Divide	25,000	25,000	21.5	21.5	538,000
Mountrail	35,000	35,000	21.5	21.5	753,000
Renville	80,000	80,000	29.0	29.0	2,320,000
Ward	125,000	125,000	29.2	29.2	3,654,000
Williams	160,000	160,000	21.0	21.0	3,360,000
Northwest	510,000	510,000	25.0	25.0	12,750,000
Benson	55,000	55,000	24.0	24.0	1,320,000
Bottineau	75,000	75,000	30.0	30.0	2,250,000
McHenry	115,000	115,000	26.6	26.6	3,055,000
Pierce	60,000	60,000	22.0	22.0	1,320,000
Rolette	15,000	15,000	25.0	25.0	375,000
North Central	320,000	320,000	26.0	26.0	8,320,000
Cavalier	170,000	170,000	31.0	31.0	5,270,000
Grand Forks	180,000	180,000	36.0	36.0	6,480,000
Nelson	80,000	80,000	29.5	29.5	2,360,000
Pembina	175,000	175,000	36.5	36.5	6,388,000
Ramsey	85,000	85,000	28.0	28.0	2,380,000
Towner	35,000	35,000	27.0	27.0	945,000
Walsh	185,000	185,000	33.6	33.6	6,207,000
Northeast	910,000	910,000	33.0	33.0	30,030,000
Dunn	100,000	90,000	19.8	22.0	1,980,000
McKenzie	95,000	95,000	24.0	24.0	2,276,000
McLean	145,000	140,000	25.6	26.5	3,706,000
Mercer	50,000	45,000	22.1	24.5	1,103,000
Oliver	40,000	40,000	24.5	24.5	980,000
West Central	430,000	410,000	23.4	24.5	10,045,000
Eddy	50,000	50,000	24.0	24.0	1,200,000
Foster	75,000	70,000	26.1	28.0	1,960,000
Kidder	50,000	50,000	20.0	20.0	1,000,000
Sheridan	85,000	85,000	25.0	25.0	2,125,000
Stutsman	185,000	180,000	24.8	25.5	4,590,000
Wells	105,000	105,000	27.6	27.6	2,895,000
Central	550,000	540,000	25.0	25.5	13,770,000
Barnes	190,000	185,000	26.8	27.5	5,088,000
Cass	225,000	215,000	32.1	33.6	7,232,000
Griggs	70,000	70,000	27.5	27.5	1,925,000
Steele	95,000	95,000	30.0	30.0	2,850,000
Traill	115,000	115,000	35.0	35.0	4,025,000
East Central	695,000	680,000	30.4	31.1	21,120,000
Adams	80,000	80,000	24.5	24.5	1,960,000
Billings	28,000	28,000	20.0	20.0	560,000
Bowman	55,000	50,000	19.1	21.0	1,050,000
Golden Valley	42,000	37,000	15.4	17.5	648,000
Hettinger	150,000	145,000	25.9	26.8	3,884,000
Slope	60,000	55,000	22.0	24.0	1,320,000
Stark	115,000	115,000	24.5	24.5	2,818,000
Southwest	530,000	510,000	23.1	24.0	12,240,000
Burleigh	105,000	100,000	20.0	21.0	2,100,000
Emmons	137,000	135,000	19.8	20.1	2,715,000
Grant	85,000	80,000	24.5	26.0	2,080,000
Morton	105,000	85,000	18.6	23.0	1,955,000
Sioux	28,000	25,000	17.9	20.0	500,000
South Central	460,000	425,000	20.3	22.0	9,350,000
Dickey	90,000	90,000	22.0	22.0	1,980,000
LaMoure	125,000	125,000	23.3	23.3	2,917,000
Logan	80,000	80,000	19.0	19.0	1,520,000
McIntosh	93,000	93,000	20.5	20.5	1,907,000
Ransom	80,000	80,000	27.5	27.5	2,200,000
Richland	147,000	147,000	33.0	33.0	4,851,000
Sargent	80,000	80,000	25.0	25.0	2,000,000
Southeast	695,000	695,000	25.0	25.0	17,375,000
STATE	5,100,000	5,000,000	26.5	27.0	135,000,000

SPRING WHEAT OTHER THAN DURUM - 1983
Production by Counties,
(Rank of First Ten Counties Shown)



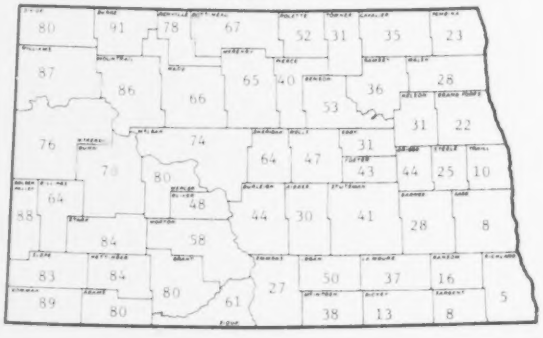
Under 2,000,000 bu.
2,000,000 - 2,499,999 bu.
2,500,000 - 3,999,999 bu.
4,000,000 bu. & over

SPRING WHEAT OTHER THAN DURUM - 1983
Yield per Harvested Acre
(Bushels)



Under 25.0 bu.
25.0 - 29.9 bu.
30.0 bu. & over

SPRING WHEAT OTHER THAN DURUM - 1983
Percent Planted on Summer Fallow
(Percent)



SPRING WHEAT OTHER THAN DURUM: Acreage, Yield and Production by Counties, North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

District and County	1982					5-Year Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	105,000	103,000	24.5	25.0	2,575,000	102,000	100,200	24.2	24.6	2,464,600
Divide	35,000	35,000	30.0	30.0	1,050,000	41,600	40,900	23.9	24.2	985,000
Mountrail	40,000	38,000	28.5	30.0	1,140,000	40,600	39,300	23.6	24.3	950,200
Renville	120,000	119,000	32.7	33.0	3,927,000	102,600	100,600	27.2	27.6	2,819,800
Ward	170,000	169,000	32.3	32.5	5,493,000	133,100	128,100	28.0	28.9	3,807,300
Williams	180,000	176,000	27.9	28.5	5,015,000	202,000	194,000	23.7	24.5	4,725,100
Northwest	650,000	640,000	29.5	30.0	19,200,000	621,900	603,100	25.3	26.0	15,752,100
Benson	55,000	54,500	29.7	30.0	1,635,000	49,100	45,100	23.4	25.4	1,152,500
Bottineau	120,000	119,000	31.2	31.5	3,749,000	95,200	91,200	25.1	25.9	2,422,800
McHenry	185,000	183,000	30.2	30.5	5,590,000	172,500	162,400	23.8	24.9	4,082,100
Pierce	80,000	79,000	28.6	29.0	2,291,000	86,700	77,300	21.5	23.7	1,832,900
Rolette	20,000	19,500	29.8	30.5	595,000	16,500	15,900	24.3	25.0	408,800
North Central	460,000	455,000	30.1	30.5	13,860,000	419,900	391,900	23.6	25.0	9,899,000
Cavalier	250,000	248,000	37.2	37.5	9,310,000	195,000	190,600	32.4	33.0	6,314,000
Grand Forks	260,000	259,000	40.9	41.0	10,630,000	240,700	230,500	34.1	35.1	8,167,100
Nelson	115,000	113,000	37.3	38.0	4,294,000	82,500	79,700	30.8	31.6	2,614,300
Pembina	280,000	277,000	40.1	40.5	11,219,000	258,800	249,100	34.1	35.1	8,760,200
Ramsey	90,000	88,000	31.3	32.0	2,816,000	71,200	68,500	28.1	28.9	1,986,000
Towner	25,000	24,000	32.6	34.0	816,000	19,000	18,200	29.6	30.6	561,600
Walsh	250,000	241,000	36.2	37.5	9,040,000	226,800	212,900	32.7	34.2	7,369,000
Northeast	1,270,000	1,250,000	37.9	38.5	48,125,000	1,093,900	1,049,600	32.8	33.8	35,772,100
Dunn	122,000	120,000	24.1	24.5	2,940,000	132,500	116,000	19.2	20.6	2,506,600
McKenzie	109,000	108,000	29.7	30.0	3,240,000	117,000	102,800	21.3	22.7	2,443,500
McLean	150,000	144,000	28.8	30.0	4,315,000	166,000	156,800	24.0	25.0	3,944,900
Mercer	82,000	81,500	28.3	28.5	2,323,000	91,000	85,400	23.1	24.0	2,082,200
Oliver	54,000	53,500	30.2	30.5	1,632,000	54,800	50,500	22.4	23.4	1,206,700
West Central	517,000	507,000	27.9	28.5	14,450,000	561,200	511,600	22.0	23.2	12,184,000
Eddy	60,000	59,500	31.7	32.0	1,904,000	61,300	58,200	24.0	25.3	1,465,800
Foster	100,000	99,000	32.7	33.0	3,267,000	96,600	90,000	27.3	28.9	2,634,200
Kidder	85,000	84,500	23.4	23.5	1,986,000	88,500	79,800	18.0	19.1	1,602,600
Sheridan	120,000	112,000	25.7	27.5	3,080,000	128,800	120,500	23.5	24.7	3,002,600
Stutsman	280,000	279,000	31.9	32.0	8,928,000	268,400	253,800	26.2	27.1	6,990,600
Wells	155,000	151,000	30.7	31.5	4,755,000	162,400	153,300	27.0	28.5	4,370,200
Central	800,000	785,000	29.9	30.5	23,920,000	806,000	755,700	25.0	26.3	20,066,000
Barnes	270,000	268,000	34.2	34.5	9,246,000	255,900	248,500	28.8	29.4	7,301,400
Cass	310,000	305,000	38.4	39.0	11,900,000	306,100	301,700	33.7	34.1	10,208,500
Griggs	115,000	114,000	36.7	37.0	4,218,000	108,900	106,100	29.1	29.6	3,124,300
Steele	140,000	139,000	39.7	40.0	5,560,000	132,900	130,700	32.3	32.8	4,279,500
Traill	155,000	154,000	43.7	44.0	6,776,000	157,200	155,300	36.7	37.1	5,748,400
East Central	990,000	980,000	38.1	38.5	37,700,000	960,900	942,400	32.2	32.7	30,662,100
Adams	120,000	117,000	21.9	22.5	2,633,000	107,100	93,700	16.4	17.7	1,760,900
Billings	35,000	34,500	20.7	21.0	725,000	37,200	31,600	16.5	18.3	621,100
Bowman	80,000	77,500	20.4	21.0	1,628,000	78,100	69,000	16.1	17.6	1,274,100
Golden Valley	50,000	49,000	21.1	21.5	1,054,000	45,800	39,800	17.0	18.5	781,800
Hettinger	200,000	197,000	24.2	24.5	4,830,000	210,600	189,300	19.5	20.8	4,066,300
Slope	95,000	94,000	27.2	27.5	2,585,000	86,100	76,600	20.1	21.5	1,726,100
Stark	170,000	166,000	22.5	23.0	3,818,000	170,400	155,500	19.1	20.3	3,204,400
Southwest	750,000	735,000	23.0	23.5	17,273,000	735,200	655,600	18.3	19.8	13,434,600
Burleigh	150,000	146,000	25.3	26.0	3,796,000	170,800	147,300	18.9	20.5	3,148,700
Emmons	210,000	209,000	21.4	21.5	4,495,000	200,300	176,900	16.5	17.8	3,339,500
Grant	116,000	113,000	23.4	24.0	2,712,000	124,700	112,200	18.0	19.4	2,226,700
Morton	147,000	146,000	26.3	26.5	3,869,000	147,000	128,700	20.4	22.4	3,004,300
Sioux	40,000	39,000	20.0	20.5	800,000	39,200	36,500	15.8	16.6	627,000
South Central	663,000	653,000	23.6	24.0	15,672,000	682,000	601,600	18.2	19.7	12,346,300
Dickey	90,000	89,500	21.4	21.5	1,924,000	117,600	114,200	20.7	21.2	2,401,500
LaMoure	145,000	144,500	32.4	32.5	4,702,000	162,800	158,700	25.3	25.8	4,056,500
Logan	110,000	109,500	24.9	25.0	2,738,000	119,700	113,000	19.4	20.0	2,312,000
McIntosh	135,000	134,500	20.5	20.5	2,763,000	137,600	127,900	17.6	18.2	2,410,600
Ransom	115,000	114,500	25.4	25.5	2,920,000	105,100	103,400	25.9	26.2	2,664,300
Richland	200,000	198,000	30.7	31.0	6,145,000	193,500	188,300	30.2	30.9	5,847,300
Sargent	105,000	104,500	23.9	24.0	2,508,000	102,700	101,200	24.9	25.3	2,578,600
Southeast	900,000	895,000	26.3	26.5	23,700,000	938,900	906,500	23.9	24.5	22,270,700
STATE	7,000,000	6,900,000	30.6	31.0	213,900,000	6,820,000	6,418,000	25.4	26.6	172,387,000

1/ Totals may not add due to rounding.

June 1984

SPRING WHEAT OTHER THAN DURUM: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1983 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	77,000	77,000	25.1	25.1	1,929,000	8,000	8,000	24.5	24.5	196,000
Divide	20,000	20,000	21.0	21.0	420,000	4,400	4,400	18.9	18.9	83,200
Mountrail	30,000	30,000	21.4	21.4	641,000	5,000	5,000	22.4	22.4	112,000
Renville	62,000	62,000	30.1	30.1	1,867,000	18,000	18,000	25.2	25.2	453,000
Ward	82,000	82,000	31.1	31.1	2,547,000	43,000	43,000	25.7	25.7	1,107,000
Williams	139,000	139,000	20.9	20.9	2,904,000	20,300	20,300	21.0	21.0	426,600
Northwest	410,000	410,000	25.1	25.1	10,308,000	98,700	98,700	24.1	24.1	2,377,800
Benson	29,000	29,000	25.1	25.1	729,000	25,300	25,300	22.4	22.4	566,500
Bottineau	50,000	50,000	30.7	30.7	1,533,000	25,000	25,000	28.7	28.7	717,000
McHenry	75,000	75,000	28.5	28.5	2,135,000	39,900	39,900	22.9	22.9	915,500
Pierce	31,000	31,000	23.0	23.0	713,000	29,000	29,000	20.9	20.9	607,000
Rolette	6,000	6,000	28.5	28.5	171,000	9,000	9,000	22.7	22.7	204,000
North Central	191,000	191,000	27.6	27.6	5,281,000	128,200	128,200	23.5	23.5	3,010,000
Cavalier	59,000	59,000	33.6	33.6	1,985,000	111,000	111,000	29.6	29.6	3,285,000
Grand Forks	39,000	39,000	34.9	34.9	1,362,000	140,700	140,700	36.3	36.3	5,106,000
Nelson	25,000	25,000	30.8	30.8	771,000	54,800	54,800	28.9	28.9	1,581,000
Pembina	40,000	40,000	33.7	33.7	1,348,000	135,000	135,000	37.3	37.3	5,040,000
Ramsey	31,000	31,000	30.6	30.6	948,000	54,000	54,000	26.5	26.5	1,432,000
Towner	11,000	11,000	29.1	29.1	320,000	24,000	24,000	26.0	26.0	625,000
Walsh	51,000	51,000	31.2	31.2	1,589,000	134,000	134,000	34.5	34.5	4,618,000
Northeast	256,000	256,000	32.5	32.5	8,323,000	653,500	653,500	33.2	33.2	21,687,000
Dunn	70,000	63,000	20.9	23.3	1,466,000	30,000	27,000	17.1	19.0	514,000
McKenzie	72,300	72,300	23.3	23.3	1,681,000	20,000	20,000	22.2	22.2	443,800
McLean	106,800	103,800	26.0	26.7	2,776,000	38,000	36,000	24.2	25.6	920,800
Mercer	40,000	36,000	22.8	25.4	913,000	10,000	9,000	19.0	21.1	190,000
Oliver	19,000	19,000	26.7	26.7	507,000	21,000	21,000	22.5	22.5	473,000
West Central	308,100	294,100	23.8	25.0	7,343,000	119,000	113,000	21.4	22.5	2,541,600
Eddy	15,600	15,600	26.0	26.0	406,000	34,000	34,000	22.9	22.9	780,000
Foster	32,000	30,000	27.7	29.5	885,000	42,400	39,400	24.8	26.7	1,051,000
Kidder	15,100	15,100	24.3	24.3	367,000	33,500	33,500	16.9	16.9	565,800
Sheridan	54,000	54,000	26.2	26.2	1,414,000	31,000	31,000	22.9	22.9	711,000
Stutsman	76,600	74,600	26.7	27.4	2,042,000	108,000	105,000	23.4	24.1	2,530,000
Wells	49,000	49,000	28.3	28.3	1,385,000	56,000	56,000	27.0	27.0	1,510,000
Central	242,300	238,300	26.8	27.3	6,499,000	304,900	298,900	23.4	23.9	7,147,800
Barnes	52,800	50,800	28.2	29.3	1,490,000	137,000	134,000	26.2	26.8	3,591,000
Cass	17,000	16,000	30.1	32.0	512,000	207,900	198,900	32.3	33.8	6,716,000
Griggs	31,000	31,000	29.7	29.7	920,000	38,800	38,800	25.7	25.7	995,600
Steele	24,000	24,000	31.5	31.5	757,000	70,800	70,800	29.4	29.4	2,084,000
Traill	11,000	11,000	30.7	30.7	338,000	104,000	104,000	35.5	35.5	3,687,000
East Central	135,800	132,800	29.6	30.2	4,017,000	558,500	546,500	30.6	31.2	17,073,600
Adams	64,000	64,000	25.4	25.4	1,624,000	16,000	16,000	21.0	21.0	336,000
Billings	18,000	18,000	21.2	21.2	382,000	10,000	10,000	17.8	17.8	178,000
Bowman	49,000	44,000	19.2	21.4	941,000	6,000	6,000	18.2	18.2	109,000
Golden Valley	37,000	33,000	15.6	17.5	579,000	5,000	4,000	13.8	17.3	69,000
Hettinger	126,000	122,000	26.7	27.6	3,365,000	24,000	23,000	21.6	22.6	519,000
Slope	50,000	46,000	23.0	25.0	1,148,000	10,000	9,000	17.2	19.1	172,000
Stark	97,000	97,000	24.9	24.9	2,416,000	18,000	18,000	22.3	22.3	402,000
Southwest	441,000	424,000	23.7	24.7	10,455,000	89,000	86,000	20.1	20.8	1,785,000
Burleigh	46,000	44,000	22.5	23.5	1,034,000	58,500	55,500	17.9	18.9	1,049,500
Emmons	37,000	37,000	22.0	22.0	815,000	98,400	96,400	18.3	18.7	1,804,000
Grant	68,000	64,000	25.0	26.6	1,702,000	16,800	15,800	22.0	23.4	369,000
Morton	61,000	51,000	20.5	24.5	1,248,000	44,000	34,000	16.1	20.8	707,000
Sioux	17,000	15,000	18.5	21.0	315,000	11,000	10,000	16.8	18.5	185,000
South Central	229,000	211,000	22.3	24.2	5,114,000	228,700	211,700	18.0	19.4	4,114,500
Dickey	12,000	12,000	25.5	25.5	306,000	77,200	77,200	21.3	21.3	1,646,000
LaMoure	46,000	46,000	26.5	26.5	1,218,000	78,500	78,500	21.4	21.4	1,679,000
Logan	39,800	39,800	19.6	19.6	782,000	40,000	40,000	18.2	18.2	729,000
McIntosh	35,000	35,000	23.2	23.2	813,000	58,000	58,000	18.9	18.9	1,094,000
Ransom	13,000	13,000	30.4	30.4	395,000	66,000	66,000	26.7	26.7	1,765,000
Richland	8,000	8,000	35.5	35.5	284,000	139,000	139,000	32.9	32.9	4,567,000
Sargent	6,000	6,000	28.8	28.8	173,000	73,800	73,800	24.6	24.6	1,817,000
Southeast	159,800	159,800	24.8	24.8	3,971,000	532,500	532,500	25.0	25.0	13,297,000
STATE	2,373,000	2,317,000	25.8	26.5	61,311,000	2,713,000	2,669,000	26.9	27.4	73,034,300

1/ See page 65 for irrigated acres.

SPRING WHEAT OTHER THAN DURUM: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1982 (Revised) 1/

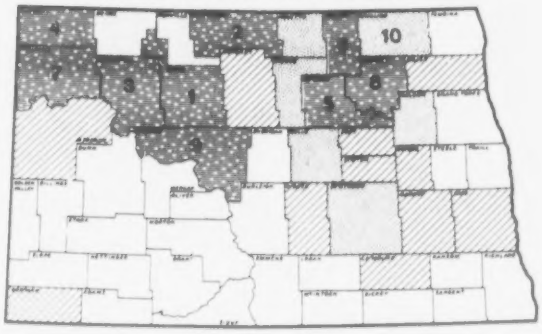
District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	93,500	91,500	24.6	25.2	2,304,000	11,500	11,500	23.6	23.6	271,000
Divide	31,500	31,500	29.7	29.7	934,500	3,000	3,000	29.7	29.7	89,000
Mountrail	33,000	31,000	28.0	29.8	924,000	7,000	7,000	30.9	30.9	216,000
Renville	85,000	84,500	34.8	35.0	2,961,000	35,000	34,500	27.6	28.0	966,000
Ward	69,900	69,700	34.3	34.4	2,396,800	100,000	99,200	30.9	31.2	3,092,000
Williams	155,000	151,400	27.8	28.5	4,310,000	23,700	23,300	27.0	27.5	640,000
Northwest	467,900	459,600	29.6	30.1	13,830,300	180,200	178,500	29.3	29.5	5,274,000
Benson	23,000	22,800	32.6	32.9	749,000	31,500	31,200	27.4	27.7	863,500
Bottineau	71,000	70,500	31.4	31.6	2,227,000	49,000	48,500	31.1	31.4	1,522,000
McHenry	114,000	112,500	32.5	32.9	3,700,000	71,000	70,500	26.6	26.8	1,890,000
Pierce	31,000	30,700	31.9	32.2	990,000	49,000	48,300	26.6	26.9	1,301,000
Rolette	10,000	9,800	30.1	30.7	301,000	10,000	9,700	29.4	30.3	294,000
North Central	249,000	246,300	32.0	32.3	7,967,000	210,500	208,200	27.9	28.2	5,870,500
Cavalier	53,000	52,000	35.9	36.6	1,903,000	197,000	196,000	37.6	37.8	7,407,000
Grand Forks	51,500	51,500	44.3	44.3	2,280,500	208,000	207,000	40.0	40.2	8,322,000
Nelson	30,000	29,500	39.7	40.4	1,191,000	85,000	83,500	36.5	37.2	3,103,000
Pembina	42,000	41,500	40.3	40.8	1,692,000	238,000	235,500	40.0	40.5	9,527,000
Ramsey	36,000	35,500	32.3	32.8	1,163,000	54,000	52,500	30.6	31.5	1,653,000
Towner	8,000	7,500	32.4	34.5	259,000	17,000	16,500	32.6	33.8	557,000
Walsh	34,000	33,000	32.6	33.6	1,110,000	216,000	208,000	36.7	38.1	7,930,000
Northeast	254,500	250,500	37.7	38.3	9,598,500	1,015,000	999,000	37.9	38.5	38,499,000
Dunn	79,000	78,000	25.7	26.0	2,027,000	43,000	42,000	21.2	21.7	913,000
McKenzie	75,000	74,500	31.1	31.3	2,330,000	30,000	29,500	22.5	22.8	674,000
McLean	91,000	88,500	31.5	32.4	2,868,000	58,000	54,500	24.1	25.6	1,395,000
Mercer	70,000	69,700	29.0	29.1	2,029,000	11,800	11,600	24.2	24.6	285,000
Oliver	34,000	33,800	32.4	32.6	1,102,000	20,000	19,700	26.5	26.9	530,000
West Central	349,000	344,500	29.7	30.1	10,356,000	162,800	157,300	23.3	24.1	3,797,000
Eddy	20,000	19,900	34.9	35.0	697,000	39,800	39,400	30.1	30.4	1,197,000
Foster	22,500	22,300	33.8	34.1	760,300	77,000	76,200	32.3	32.6	2,484,200
Kidder	24,400	24,300	27.5	27.7	672,000	60,500	60,100	21.7	21.8	1,310,000
Sheridan	85,000	79,000	26.5	28.5	2,254,000	33,000	33,000	23.6	25.0	826,000
Stutsman	81,900	81,700	36.4	36.5	2,978,000	198,000	197,200	30.0	30.1	5,945,000
Wells	60,000	59,000	32.7	33.2	1,959,000	95,000	92,000	29.4	30.4	2,796,000
Central	293,800	286,200	31.7	32.6	9,320,300	505,300	497,900	28.8	29.2	14,558,200
Barnes	46,000	45,500	38.0	38.4	1,746,000	224,000	222,500	33.5	33.7	7,500,000
Cass	5,300	5,300	38.5	38.5	204,000	304,000	299,000	38.3	39.0	11,654,000
Griggs	36,700	36,500	38.7	38.9	1,420,000	78,000	77,200	35.7	36.1	2,786,000
Steele	21,000	21,000	42.5	42.5	893,000	119,000	118,000	39.2	39.6	4,667,000
Traill	10,000	10,000	41.8	41.8	418,000	145,000	144,000	43.8	44.2	6,358,000
East Central	119,000	118,300	39.3	39.6	4,681,000	870,000	860,700	37.9	38.3	32,965,000
Adams	83,000	81,000	21.9	22.4	1,818,000	37,000	36,000	22.0	22.6	815,000
Billings	28,000	27,700	21.9	22.2	614,000	7,000	6,800	15.9	16.3	111,000
Bowman	66,000	64,000	20.9	21.6	1,381,000	14,000	13,500	17.6	18.3	247,000
Golden Valley	32,000	31,500	22.6	23.0	724,000	18,000	17,500	18.3	18.9	330,000
Hettinger	142,000	140,000	24.6	25.0	3,497,000	58,000	57,000	23.0	23.4	1,333,000
Slope	88,000	87,200	27.3	27.5	2,399,000	7,000	6,800	26.6	27.4	186,000
Stark	133,000	130,500	23.0	23.4	3,057,000	37,000	35,500	20.6	21.4	761,000
Southwest	572,000	561,900	23.6	24.0	13,490,000	178,000	173,100	21.3	21.9	3,783,000
Burleigh	60,000	57,500	28.3	29.5	1,696,500	89,500	88,000	23.3	23.7	2,082,000
Emmons	58,900	58,400	24.6	24.8	1,449,000	151,000	150,500	20.2	20.2	3,043,000
Grant	75,000	73,500	24.6	25.1	1,846,800	40,900	39,400	21.1	21.9	861,700
Morton	78,000	77,500	27.9	28.1	2,174,000	69,000	68,500	24.6	24.7	1,695,000
Sioux	21,000	20,500	22.3	22.9	469,000	19,000	18,500	17.4	17.9	331,000
South Central	292,900	287,400	26.1	26.6	7,635,300	369,400	364,900	21.7	22.0	8,012,700
Dickey	11,700	11,600	30.3	30.5	354,000	78,000	77,600	19.9	20.1	1,555,900
LaMoure	45,600	45,400	35.3	35.5	1,610,000	99,000	98,700	31.0	31.1	3,072,000
Logan	42,000	41,700	32.2	32.4	1,351,000	68,000	67,800	20.4	20.5	1,387,000
McIntosh	37,000	36,800	26.5	26.7	981,000	98,000	97,700	18.2	18.2	1,782,000
Ransom	11,800	11,800	34.4	34.4	406,000	103,000	102,500	24.3	24.4	2,506,000
Richland	5,000	5,000	38.8	38.8	194,000	195,000	193,000	30.5	30.8	5,951,000
Sargent	5,000	5,000	31.6	31.6	158,000	100,000	99,500	23.5	23.6	2,350,000
Southeast	158,100	157,300	32.0	32.1	5,054,000	741,000	736,800	25.1	25.2	18,603,900
STATE	2,756,200	2,712,000	29.7	30.2	81,932,400	4,232,200	4,176,400	31.0	31.5	131,363,300

1/ See page 65 for irrigated acres.

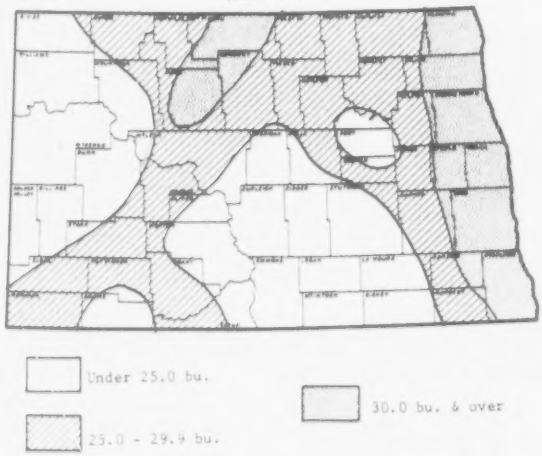
DURUM WHEAT: Acreage, Yield and Production
by Counties, North Dakota, 1983 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(000 Bu.)
Burke	52,000	52,000	26.0	26.0	1,352,000
Divide	153,500	151,500	23.7	24.0	3,636,000
Mountrail	169,000	166,000	24.1	24.5	4,067,000
Renville	59,000	59,000	29.0	29.0	1,711,000
Ward	158,000	155,000	30.9	31.5	4,890,000
Williams	127,500	126,500	21.8	22.0	2,783,000
Northwest	719,000	710,000	25.6	26.0	18,439,000
Benson	118,000	117,000	27.3	27.5	3,218,000
Bottineau	152,000	150,000	29.6	30.0	4,495,000
McHenry	23,000	22,000	23.9	25.0	550,000
Pierce	53,000	52,000	24.5	25.0	1,300,000
Rolette	74,000	74,000	25.0	25.0	1,850,000
North Central	420,000	415,000	27.2	27.5	11,413,000
Cavalier	80,000	79,000	29.3	29.6	2,342,000
Grand Forks	8,000	8,000	35.0	35.0	280,000
Nelson	68,000	67,000	28.6	29.0	1,943,000
Pembina	3,000	3,000	32.0	32.0	96,000
Ramsey	99,000	98,000	26.7	27.0	2,646,000
Towner	129,000	126,000	24.9	25.5	3,213,000
Walsh	23,000	23,000	30.0	30.0	690,000
Northeast	410,000	404,000	27.3	27.7	11,210,000
Dunn	4,500	4,500	20.0	20.0	90,000
McKenzie	41,000	40,000	23.4	24.0	960,000
McLean	102,500	99,500	24.5	25.3	2,515,000
Mercer	10,000	10,000	28.5	28.5	285,000
Oliver	---	---	---	---	---
West Central	158,000	154,000	24.4	25.0	3,850,000
Eddy	13,000	13,000	24.0	24.0	312,000
Foster	19,000	18,000	27.0	28.5	513,000
Kidder	24,000	24,000	24.0	24.0	576,000
Sheridan	4,500	4,500	22.4	22.4	101,000
Stutsman	76,000	69,000	20.9	23.0	1,587,000
Wells	64,500	63,500	28.0	28.5	1,807,000
Central	201,000	192,000	24.4	25.5	4,896,000
Barnes	15,000	15,000	28.0	28.0	420,000
Cass	19,000	18,000	32.3	34.1	614,000
Griggs	12,000	12,000	27.5	27.5	330,000
Steele	4,000	4,000	30.0	30.0	120,000
Traill	3,000	3,000	34.0	34.0	102,000
East Central	53,000	52,000	29.9	30.5	1,586,000
Adams	7,500	7,500	24.0	24.0	180,000
Billings	---	---	---	---	---
Bowman	17,000	16,000	23.5	24.9	399,000
Golden Valley	10,000	9,000	18.0	20.0	180,000
Hettinger	5,000	4,000	24.0	30.0	120,000
Slope	4,500	3,500	22.9	29.4	103,000
Stark	7,000	7,000	27.6	27.6	193,000
Southwest	51,000	47,000	23.0	25.0	1,175,000
Burleigh	9,000	8,000	20.4	23.0	184,000
Emmons	1,500	1,500	18.0	18.0	27,000
Grant	3,000	3,000	28.7	28.7	86,000
Morton	3,500	3,500	24.0	24.0	84,000
Sioux	1,000	1,000	18.0	18.0	18,000
South Central	18,000	17,000	22.2	23.5	399,000
Dickey	9,000	9,000	23.6	23.6	212,000
LaMoure	21,000	20,000	21.9	23.0	460,000
Logan	4,500	4,500	18.0	18.0	81,000
McIntosh	11,500	11,500	19.1	19.1	220,000
Ransom	2,000	2,000	30.0	30.0	60,000
Richland	1,000	1,000	33.0	33.0	33,000
Sargent	11,000	11,000	26.5	26.5	291,000
Southeast	60,000	59,000	22.6	23.0	1,357,000
STATE	2,090,000	2,050,000	26.0	26.5	54,325,000

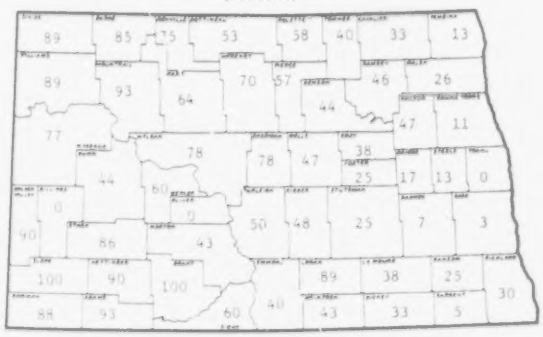
DURUM WHEAT, 1983 - Production by Counties,
(Rank of First Ten Counties Shown)



DURUM WHEAT, 1983 - Yield per Harvested Acre
(Bushels)



DURUM WHEAT - 1983
Percent Planted on Summer Fallow
(Percent)



DURUM WHEAT: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

District and County	1982					5-Year Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	80,000	79,000	25.7	26.0	2,055,000	90,400	87,700	23.0	23.6	2,043,700
Divide	200,000	197,000	27.6	28.0	5,520,000	202,200	198,100	26.7	27.2	5,350,100
Mountrail	230,000	204,000	29.3	33.0	6,732,000	236,100	225,000	25.3	26.5	5,951,200
Renville	90,000	89,000	33.1	33.5	2,982,000	95,500	92,800	26.7	27.3	2,540,000
Ward	240,000	236,000	32.5	33.0	7,788,000	269,500	261,500	27.1	27.8	7,239,900
Williams	170,000	165,000	29.6	30.5	5,033,000	146,400	142,400	26.0	26.6	3,788,800
Northwest	1,010,000	970,000	29.8	31.0	30,110,000	1,040,100	1,007,400	26.1	26.8	26,913,700
Benson	200,000	196,000	32.4	33.0	6,475,000	211,900	203,000	27.9	28.9	5,858,700
Bottineau	220,000	217,000	33.6	34.0	7,384,000	241,500	234,000	25.7	26.3	6,112,700
McHenry	30,000	29,500	32.5	33.0	974,000	62,200	59,300	26.7	27.5	1,617,600
Pierce	90,000	88,500	32.5	33.0	2,921,000	94,700	89,600	24.8	25.9	2,350,200
Rolette	110,000	109,000	33.7	34.0	3,706,000	120,700	116,700	28.5	29.2	3,401,800
North Central	650,000	640,000	33.0	33.5	21,460,000	730,900	702,600	26.7	27.6	19,341,100
Cavalier	145,000	143,000	37.5	38.0	5,434,000	174,800	169,100	31.8	32.6	5,427,400
Grand Forks	15,000	14,600	37.9	39.0	569,000	19,300	18,700	31.3	32.0	577,800
Nelson	115,000	113,000	37.3	38.0	4,294,000	137,000	133,900	29.5	30.0	3,928,500
Pembina	5,000	4,900	42.6	43.5	213,000	11,100	9,700	33.7	36.2	335,000
Ramsey	220,000	214,000	32.1	33.0	7,062,000	216,800	207,300	28.8	29.8	6,170,500
Towner	250,000	242,000	33.9	35.0	8,474,000	238,600	225,600	27.8	29.1	6,569,800
Walsh	70,000	68,500	33.8	34.5	2,363,000	80,400	75,000	29.6	30.7	2,227,700
Northeast	820,000	800,000	34.6	35.5	28,409,000	878,100	839,300	29.3	30.3	25,236,600
Dunn	5,000	4,600	28.4	30.9	142,000	3,700	3,200	23.1	25.2	86,800
McKenzie	48,000	46,000	28.8	30.0	1,380,000	54,300	49,500	21.9	23.2	1,145,800
McLean	200,000	183,000	30.2	33.0	6,045,000	221,100	211,600	25.8	26.9	5,597,300
Mercer	15,000	14,500	32.9	34.0	493,000	8,600	8,000	24.8	26.1	221,900
Oliver	2,000	1,900	32.5	34.2	65,000	2,200	2,000	22.3	24.2	54,300
West Central	270,000	250,000	30.1	32.5	8,125,000	289,800	274,300	25.0	26.3	7,106,100
Eddy	30,000	29,500	35.4	36.0	1,062,000	33,900	31,900	26.7	28.4	895,500
Foster	33,000	32,500	34.0	34.5	1,121,000	32,000	30,100	27.5	29.3	889,800
Kidder	17,000	16,500	27.6	28.5	470,000	27,900	25,300	21.9	23.2	581,400
Sheridan	20,000	18,500	25.0	27.0	500,000	23,300	21,800	22.8	24.1	521,800
Stutsman	110,000	108,000	31.9	32.5	3,505,000	129,100	122,000	27.4	28.5	3,467,300
Wells	90,000	85,000	34.0	36.0	3,057,000	108,700	98,000	27.6	29.9	2,909,800
Central	300,000	290,000	32.4	33.5	9,715,000	354,900	329,100	26.7	28.3	9,265,500
Barnes	55,000	54,500	32.7	33.0	1,800,000	50,900	49,900	27.8	28.2	1,396,800
Cass	45,000	44,500	39.6	40.0	1,780,000	53,900	52,700	32.8	33.5	1,742,900
Griggs	21,000	20,500	38.1	39.0	800,000	20,600	19,800	28.6	29.5	592,800
Steele	15,000	14,700	36.3	37.0	544,000	13,900	13,400	30.4	31.3	424,200
Traill	14,000	13,800	39.4	40.0	552,000	14,000	13,500	34.9	35.8	491,100
East Central	150,000	148,000	36.5	37.0	5,476,000	153,400	149,300	30.5	31.2	4,647,800
Adams	19,000	18,000	18.9	20.0	360,000	27,600	23,900	16.5	18.3	436,600
Billings	1,000	900	23.0	25.6	23,000	1,500	1,200	19.0	21.2	22,000
Bowman	40,000	38,800	22.3	23.0	892,000	35,400	31,700	17.2	18.3	569,300
Golden Valley	30,000	29,000	27.1	28.0	812,000	36,100	30,900	21.5	23.4	715,200
Hettinger	30,000	29,500	27.5	28.0	826,000	27,300	25,400	22.9	23.6	578,500
Slope	20,000	19,500	29.3	30.0	585,000	17,300	16,100	22.8	24.2	418,800
Stark	10,000	9,300	20.0	21.5	200,000	12,500	10,500	20.0	22.1	211,200
Southwest	150,000	145,000	24.7	25.5	3,698,000	157,800	139,700	19.9	21.4	2,951,600
Burleigh	10,000	9,800	22.1	22.6	221,000	17,100	14,600	16.9	18.3	272,400
Emmons	4,000	3,900	17.0	17.4	68,000	15,200	12,900	17.4	18.6	272,500
Grant	10,000	9,800	25.5	26.0	255,000	10,200	9,300	19.7	20.6	203,600
Morton	3,000	2,900	27.3	28.3	82,000	5,800	4,600	17.5	19.6	87,200
Sioux	3,000	2,600	18.7	21.5	56,000	6,900	6,100	15.1	16.3	94,300
South Central	30,000	29,000	22.7	23.5	682,000	55,200	47,500	17.6	19.0	930,000
Dickey	33,000	32,600	23.7	24.0	781,000	29,700	28,800	21.9	22.3	637,800
LaMoure	60,000	59,500	27.7	28.0	1,664,000	60,800	58,500	24.2	24.9	1,437,800
Logan	17,000	16,900	31.3	31.5	532,000	17,800	16,200	22.7	24.1	393,300
McIntosh	19,000	18,500	21.9	22.5	416,000	16,300	15,100	20.3	21.1	315,700
Ransom	7,000	6,900	24.1	24.5	169,000	8,000	7,900	23.9	24.2	178,700
Richland	17,000	16,900	20.9	21.0	355,000	18,200	17,700	27.9	28.5	522,500
Sargent	27,000	26,700	19.7	20.0	533,000	27,000	26,600	23.8	24.3	646,700
Southeast	180,000	178,000	24.7	25.0	4,450,000	177,700	170,800	23.6	24.3	4,132,500
STATE	3,560,000	3,450,000	31.5	32.5	112,125,000	3,838,000	3,660,000	26.6	27.6	100,525,000

1/ Totals may not add due to rounding.

DURUM WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1983 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	44,000	44,000	26.2	26.2	1,151,000	8,000	8,000	25.1	25.1	201,000
Divide	137,000	135,000	23.6	24.0	3,236,000	16,400	16,400	24.0	24.0	394,200
Mountrail	157,000	155,000	24.3	24.6	3,813,000	12,000	11,000	21.2	23.1	254,000
Renville	44,000	44,000	31.1	31.1	1,370,000	15,000	15,000	22.7	22.7	341,000
Ward	101,000	99,000	31.4	32.1	3,174,000	57,000	56,000	30.1	30.6	1,716,000
Williams	113,000	112,000	21.6	21.8	2,446,000	13,500	13,500	21.9	21.9	295,000
Northwest	596,000	589,000	25.5	25.8	15,190,000	121,900	119,900	26.3	26.7	3,201,200
Benson	52,000	52,000	29.1	29.1	1,512,000	65,600	64,600	25.8	26.2	1,692,000
Bottineau	80,000	79,000	30.1	30.4	2,405,000	72,000	71,000	29.0	29.4	2,090,000
McHenry	16,000	15,500	24.4	25.2	391,000	6,900	6,400	22.4	24.1	154,500
Pierce	30,000	29,000	26.9	27.9	808,000	23,000	23,000	21.4	21.4	492,000
Rolette	43,000	43,000	26.2	26.2	1,127,000	31,000	31,000	23.3	23.3	723,000
North Central	221,000	218,500	28.2	28.6	6,243,000	198,500	196,000	26.0	26.3	5,151,500
Cavalier	26,000	26,000	31.2	31.2	811,000	54,000	53,000	28.4	28.9	1,531,000
Grand Forks	900	900	32.2	32.2	29,000	7,000	7,000	35.3	35.3	246,900
Nelson	32,000	32,000	30.8	30.8	985,000	36,000	35,000	26.6	27.4	958,000
Pembina	400	400	32.5	32.5	13,000	2,600	2,600	31.9	31.9	83,000
Ramsey	46,000	46,000	28.5	28.5	1,313,000	53,000	52,000	25.2	25.6	1,333,000
Towner	52,000	51,000	27.7	28.2	1,440,000	77,000	75,000	23.0	23.6	1,773,000
Walsh	6,000	6,000	33.8	33.8	203,000	17,000	17,000	28.6	28.6	487,000
Northeast	163,300	162,300	29.4	29.5	4,794,000	246,600	241,600	26.0	26.5	6,411,900
Dunn	2,000	2,000	24.5	24.5	49,000	2,500	2,500	16.4	16.4	41,000
McKenzie	31,500	30,500	22.3	23.0	703,000	8,000	8,000	21.8	21.8	174,500
McLean	79,900	76,900	24.8	25.8	1,984,000	21,500	21,500	22.3	22.3	479,300
Mercer	6,000	6,000	30.8	30.8	185,000	4,000	4,000	25.0	25.0	100,000
West Central	119,400	115,400	24.5	25.3	2,921,000	36,000	36,000	22.1	22.1	794,800
Eddy	4,900	4,900	25.3	25.3	124,000	8,000	8,000	23.1	23.1	185,000
Foster	4,800	4,800	33.3	33.3	160,000	14,000	13,000	24.7	26.6	346,000
Kidder	11,500	11,500	28.2	28.2	324,000	12,000	12,000	19.3	19.3	232,000
Sheridan	3,500	3,500	23.1	23.1	81,000	1,000	1,000	20.0	20.0	20,000
Stutsman	19,000	18,000	27.4	28.9	520,000	57,000	51,000	18.7	20.9	1,067,000
Wells	30,000	30,000	28.6	28.6	858,000	34,500	33,500	27.5	28.3	949,000
Central	73,700	72,700	28.0	28.4	2,067,000	126,500	118,500	22.1	23.6	2,799,000
Barnes	1,000	1,000	29.0	29.0	29,000	13,900	13,900	27.9	27.9	387,500
Cass	500	500	24.0	24.0	12,000	16,700	15,700	31.2	33.2	521,000
Griggs	2,000	2,000	30.0	30.0	60,000	9,100	9,100	25.2	25.2	229,500
Steele	500	500	30.0	30.0	15,000	3,300	3,300	29.1	29.1	96,000
Traill	---	---	---	---	---	3,000	3,000	34.0	34.0	102,000
East Central	4,000	4,000	29.0	29.0	116,000	46,000	45,000	29.0	29.7	1,336,000
Adams	7,000	7,000	24.3	24.3	170,000	500	500	20.0	20.0	10,000
Bowman	15,000	14,000	23.7	25.4	355,000	2,000	2,000	22.0	22.0	44,000
Golden Valley	9,000	8,000	17.8	20.0	160,000	1,000	1,000	20.0	20.0	20,000
Hettinger	4,500	3,500	24.0	30.9	108,000	500	500	24.0	24.0	12,000
Slope	4,500	3,500	22.9	29.4	103,000	---	---	---	---	---
Stark	6,000	6,000	28.5	28.5	171,000	1,000	1,000	22.0	22.0	22,000
Southwest	46,000	42,000	23.2	25.4	1,067,000	5,000	5,000	21.6	21.6	108,000
Burleigh	4,500	4,000	22.4	25.3	101,000	4,500	4,000	18.4	20.8	83,000
Emmons	600	600	16.7	16.7	10,000	800	800	15.0	15.0	12,000
Grant	3,000	3,000	28.7	28.7	86,000	---	---	---	---	---
Morton	1,500	1,500	28.7	28.7	43,000	2,000	2,000	20.5	20.5	41,000
Sioux	600	600	18.3	18.3	11,000	400	400	17.5	17.5	7,000
South Central	10,200	9,700	24.6	25.9	251,000	7,700	7,200	18.6	19.9	143,000
Dickey	3,000	3,000	24.0	24.0	72,000	5,700	5,700	22.8	22.8	130,100
LaMoure	8,000	8,000	25.6	25.6	205,000	12,900	11,900	19.4	21.0	250,000
Logan	4,000	4,000	18.5	18.5	74,000	500	500	14.0	14.0	7,000
McIntosh	5,000	5,000	20.6	20.6	103,000	6,500	6,500	18.0	18.0	117,000
Ransom	500	500	20.0	20.0	10,000	500	500	20.0	20.0	10,000
Richland	300	300	33.3	33.3	10,000	700	700	32.9	32.9	23,000
Sargent	500	500	26.0	26.0	13,000	10,300	10,300	26.0	26.0	268,000
Southeast	21,300	21,300	22.9	22.9	487,000	37,100	36,100	21.7	22.3	805,100
STATE	1,254,900	1,234,900	26.4	26.8	33,136,000	825,300	805,300	25.1	25.8	20,750,500

1/ See page 65 for irrigated acres.

DURUM WHEAT: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1982 (Revised) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	68,500	67,700	26.5	26.8	1,815,000	11,500	11,300	20.9	21.2	240,000
Divide	188,000	185,500	27.8	28.2	5,233,000	11,200	10,700	21.0	22.0	235,000
Mountrail	199,000	177,000	29.6	33.2	5,883,000	31,000	27,000	27.4	31.4	849,000
Renville	52,000	51,500	34.2	34.5	1,776,000	38,000	37,500	31.7	32.2	1,206,000
Ward	150,000	147,000	33.8	34.5	5,077,000	90,000	89,000	30.1	30.5	2,711,000
Williams	155,000	150,500	30.0	30.9	4,656,000	13,500	13,000	22.4	23.2	302,000
Northwest	812,500	779,200	30.1	31.4	24,440,000	195,200	188,500	28.4	29.4	5,543,000
Benson	74,900	73,400	33.5	34.1	2,505,500	125,000	122,500	31.7	32.4	3,965,000
Bottineau	91,000	90,000	35.4	35.8	3,220,000	129,000	127,000	32.3	32.8	4,164,000
McHenry	13,000	12,800	34.9	35.5	454,000	17,000	16,700	30.6	31.1	520,000
Pierce	51,000	50,200	34.2	34.7	1,743,000	39,000	38,300	30.2	30.8	1,178,000
Rolette	50,000	49,500	34.4	34.8	1,721,000	60,000	59,500	33.1	33.4	1,985,000
North Central	279,900	275,900	34.5	35.0	9,643,500	370,000	364,000	31.9	32.5	11,812,000
Cavalier	39,000	38,500	38.6	39.1	1,505,000	106,000	104,500	37.1	37.6	3,929,000
Grand Forks	1,500	1,400	37.3	40.0	56,000	13,500	13,200	38.0	38.9	513,000
Nelson	52,000	51,000	38.5	39.3	2,002,000	63,000	62,000	36.4	37.0	2,292,000
Pembina	500	500	46.0	46.0	23,000	4,500	4,400	42.2	43.2	190,000
Ramsey	80,000	78,000	32.6	33.4	2,604,000	140,000	136,000	31.8	32.8	4,458,000
Towner	82,000	80,000	35.2	36.0	2,883,000	168,000	162,000	33.3	34.5	5,591,000
Walsh	20,000	19,500	31.0	31.8	620,000	50,000	49,000	34.9	35.6	1,743,000
Northeast	275,000	268,900	35.2	36.0	9,693,000	545,000	531,100	34.3	35.2	18,716,000
Dunn	3,400	3,100	31.2	34.2	106,000	1,600	1,500	22.5	24.0	36,000
McKenzie	42,400	40,700	29.5	30.7	1,249,000	5,000	4,700	19.0	20.2	95,000
McLean	141,000	135,000	31.6	33.0	4,457,200	58,400	47,400	26.6	32.8	1,556,000
Mercer	10,000	9,700	34.0	35.1	340,000	5,000	4,800	30.6	31.9	153,000
Oliver	1,300	1,300	36.2	36.2	47,000	700	600	25.7	30.0	18,000
West Central	198,100	189,800	31.3	32.7	6,199,200	70,700	59,000	26.3	31.5	1,858,000
Eddy	11,000	10,900	37.1	37.4	408,000	19,000	18,600	34.4	35.2	654,000
Foster	5,800	5,800	39.1	39.1	227,000	27,000	26,500	32.7	33.4	884,000
Kidder	6,500	6,300	29.7	30.6	193,000	10,100	9,800	25.6	26.4	259,000
Sheridan	11,000	10,000	26.3	28.9	289,000	9,000	8,500	23.4	24.8	211,000
Stutsman	20,900	20,300	35.3	36.3	737,000	89,000	87,600	31.0	31.5	2,763,000
Wells	27,500	25,000	31.9	35.0	876,000	62,500	60,000	34.9	36.4	2,181,000
Central	82,700	78,300	33.0	34.9	2,730,000	216,600	211,000	32.1	32.9	6,952,000
Barnes	4,500	4,400	32.9	33.6	148,000	50,000	49,600	32.6	32.9	1,629,500
Cass	700	700	38.6	38.6	27,000	43,700	43,200	39.3	39.8	1,718,800
Griggs	4,000	3,900	43.8	44.9	175,000	16,500	16,100	36.4	37.3	601,000
Steele	2,500	2,400	34.0	35.4	85,000	12,500	12,300	36.7	37.3	459,000
Traill	300	300	41.7	41.7	12,500	13,600	13,400	39.3	39.9	534,000
East Central	12,000	11,700	37.3	38.2	447,500	136,300	134,600	36.3	36.7	4,942,300
Adams	15,000	14,500	19.5	20.1	292,000	4,000	3,500	17.0	19.4	68,000
Billings	700	600	23.3	27.2	16,300	300	300	22.3	22.3	6,700
Bowman	34,000	33,500	23.0	23.3	782,000	6,000	5,300	18.3	20.8	110,000
Golden Valley	21,000	20,500	30.0	30.7	629,000	9,000	8,500	20.3	21.5	183,000
Hettinger	21,000	20,500	30.5	31.3	641,000	9,000	9,000	20.6	20.6	185,000
Slope	19,000	18,500	29.7	30.5	564,000	1,000	1,000	21.0	21.0	21,000
Stark	8,500	7,900	20.8	22.4	177,000	1,500	1,400	15.3	16.4	23,000
Southwest	119,200	116,000	26.0	26.7	3,101,300	30,800	29,000	19.4	20.6	596,700
Burleigh	4,500	4,400	24.2	24.8	109,000	5,500	5,400	20.4	20.7	112,000
Emmons	1,000	1,000	18.0	18.0	18,000	3,000	2,900	16.7	17.2	50,000
Grant	6,000	5,900	26.8	27.3	161,000	4,000	3,900	23.5	24.1	94,000
Morton	1,500	1,500	29.3	29.3	44,000	1,500	1,400	25.3	27.1	38,000
Sioux	1,500	1,400	22.7	24.3	34,000	1,500	1,200	14.7	18.3	22,000
South Central	14,500	14,200	25.2	25.8	366,000	15,500	14,800	20.4	21.4	316,000
Dickey	8,000	7,900	32.4	32.8	259,000	25,000	24,700	20.9	21.1	522,000
LaMoure	17,400	17,300	31.4	31.6	547,000	42,000	41,600	25.9	26.2	1,089,400
Logan	7,000	7,000	39.6	39.6	277,000	10,000	9,900	25.5	25.8	255,000
McIntosh	5,500	5,300	26.4	27.4	145,000	13,500	13,200	20.1	20.5	271,000
Ransom	700	700	30.4	30.4	21,300	6,100	6,000	22.8	23.2	139,300
Richland	1,000	1,000	25.0	25.0	25,000	16,000	15,900	20.6	20.8	330,000
Sargent	1,100	1,100	24.4	24.4	26,800	25,700	25,400	19.3	19.5	495,800
Southeast	40,700	40,300	32.0	32.3	1,301,100	138,300	136,700	22.4	22.7	3,102,500
STATE	1,834,600	1,774,300	31.6	32.6	57,921,600	1,718,400	1,668,700	31.3	32.3	53,838,500

1/ See page 65 for irrigated acres.

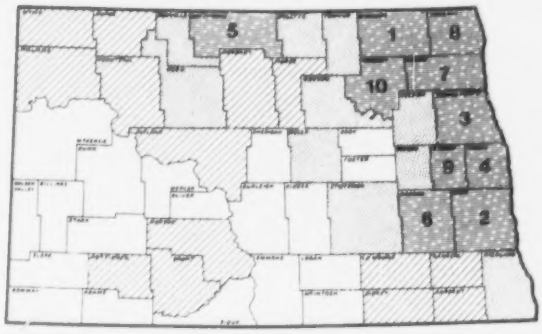
WINTER WHEAT: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 1983 (Preliminary)

District and County	1982					1983				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	1,000	900	31.5	35.0	31,500	3,000	2,400	24.0	30.0	72,000
Divide	2,000	1,800	22.5	25.0	45,000	1,500	1,300	21.2	24.5	31,800
Mountrail	2,000	1,800	27.0	30.0	54,000	1,000	1,000	33.0	33.0	33,000
Renville	1,500	1,000	23.3	35.0	35,000	1,000	1,000	26.0	26.0	26,000
Ward	500	500	35.0	35.0	17,500	2,000	1,700	20.4	24.0	40,800
Williams	4000	3,000	24.0	32.0	96,000	2,500	2,100	26.9	32.0	67,200
Northwest	11,000	9,000	25.4	31.0	279,000	11,000	9,500	24.6	28.5	270,800
Benson	3,000	3,000	31.0	31.0	93,000	2,000	1,500	19.2	25.5	38,300
Bottineau	3,000	3,000	38.0	38.0	114,000	13,000	10,200	21.2	27.0	275,400
McHenry	1,500	1,000	24.0	36.0	36,000	2,000	1,500	20.7	27.5	41,300
Pierce	2,500	2,000	20.8	26.0	52,000	2,000	1,700	23.4	27.5	46,700
Rolette	1,000	1,000	25.0	25.0	25,000	1,000	600	16.8	28.0	16,800
North Central	11,000	10,000	29.1	32.0	320,000	20,000	15,500	20.9	27.0	418,500
Cavalier	7,000	6,800	37.4	38.5	261,800	5,000	3,700	18.9	25.5	94,400
Grand Forks	11,000	9,700	28.2	32.0	310,700	7,000	6,000	28.7	33.5	201,000
Nelson	3,000	3,000	40.0	40.0	120,000	2,000	1,800	32.0	35.5	63,900
Pembina	6,000	5,000	25.0	30.0	150,000	2,000	1,200	16.2	27.0	32,400
Ramsey	2,000	2,000	37.0	37.0	74,000	6,000	5,000	20.4	24.5	122,300
Towner	2,000	2,000	43.0	43.0	86,000	6,000	5,300	26.5	30.0	159,000
Walsh	6,000	5,500	28.4	31.0	170,500	2,000	2,000	26.0	26.0	52,000
Northeast	37,000	34,000	31.7	34.5	1,173,000	30,000	25,000	24.2	29.0	725,000
Dunn	500	400	25.2	31.5	12,600	500	400	24.8	31.0	12,400
McKenzie	11,000	9,600	29.7	34.0	326,400	4,000	2,600	18.9	29.0	75,400
McLean	4,500	4,000	32.0	36.0	144,000	7,500	5,000	18.7	28.0	140,200
Mercer	---	---	---	---	---	---	---	---	---	---
Oliver	---	---	---	---	---	---	---	---	---	---
West Central	16,000	14,000	30.2	34.5	483,000	12,000	8,000	19.0	28.5	228,000
Eddy	2,000	1,900	28.5	30.0	57,000	2,000	1,800	30.6	34.0	61,200
Foster	500	500	28.0	28.0	14,000	1,000	900	34.2	38.0	34,200
Kidder	500	400	23.2	29.0	11,600	1,000	1,000	25.0	25.0	25,000
Sheridan	500	400	28.4	35.5	14,200	500	400	24.8	31.0	12,400
Stutsman	1,500	1,400	37.3	40.0	56,000	9,000	8,000	31.1	35.0	279,900
Wells	1,000	900	36.9	41.0	36,900	5,500	4,900	28.5	32.0	156,800
Central	6,000	5,500	31.6	34.5	189,700	19,000	17,000	30.0	33.5	569,500
Barnes	2,000	1,700	29.8	35.0	59,500	10,000	9,000	30.2	33.5	301,500
Cass	9,000	8,900	41.5	42.0	373,800	6,000	5,500	38.4	41.9	230,400
Griggs	2,000	1,900	31.4	33.0	62,700	3,000	2,900	33.4	34.5	100,100
Steele	7,000	6,600	41.0	43.5	287,100	11,000	9,700	31.3	35.5	344,400
Traill	8,000	7,900	40.5	41.0	323,900	7,000	6,400	35.2	38.5	246.400
East Central	28,000	27,000	39.5	41.0	1,107,000	37,000	33,500	33.0	36.5	1,222,800
Adams	2,500	1,000	9.6	24.0	24,000	2,500	2,100	26.9	32.0	67,200
Billings	500	200	10.4	26.0	5,200	2,000	1,400	21.0	30.0	42,000
Bowman	13,000	5,000	9.2	24.0	120,200	13,000	10,600	22.2	27.2	288,400
Golden Valley	9,000	5,000	16.1	29.0	145,200	8,000	7,100	24.9	28.0	198,800
Hettinger	4,000	1,800	11.7	26.0	46,800	5,000	4,800	29.8	31.0	148,800
Slope	5,000	3,000	16.2	27.0	81,000	5,500	4,100	18.6	25.0	102,500
Stark	7,000	3,000	11.6	27.0	81,100	3,000	2,900	30.9	32.0	92,800
Southwest	41,000	19,000	12.3	26.5	503,500	39,000	33,000	24.1	28.5	940,500
Burleigh	1,000	500	12.5	25.0	12,500	1,000	600	15.0	25.0	15,000
Emmons	1,500	1,200	16.0	20.0	24,000	1,500	1,500	26.0	26.0	39,000
Grant	3,000	1,400	14.5	31.0	43,400	2,000	1,800	23.0	25.5	45,900
Morton	1,000	600	15.0	25.0	15,000	1,500	1,100	18.7	25.5	28,100
Sioux	500	300	13.8	23.0	6,900	1,000	1,000	25.0	25.0	25,000
South Central	7,000	4,000	14.5	25.5	101,800	7,000	6,000	21.9	25.5	153,000
Dickey	4,000	3,900	35.1	36.0	140,400	6,000	5,700	29.9	31.5	179,600
LaMoure	2,500	2,500	40.0	40.0	100,000	4,000	3,700	28.2	30.5	112,900
Logan	2,000	1,900	28.5	30.0	57,000	500	500	28.0	28.0	14,000
McIntosh	1,000	1,000	32.0	32.0	32,000	500	500	28.0	28.0	14,000
Ransom	1,500	1,400	30.8	33.0	46,200	3,000	2,300	28.9	37.7	86,700
Richland	1,000	1,000	30.0	30.0	30,000	2,000	1,900	39.0	41.0	77,900
Sargent	6,000	5,800	32.9	34.0	197,400	9,000	7,900	28.5	32.5	256,800
Southeast	18,000	17,500	33.5	34.5	603,000	25,000	22,500	29.7	33.0	741,900
STATE	175,000	140,000	27.2	34.0	4,760,000	200,000	170,000	26.4	31.0	5,270,000
	North Dakota Totals by Special Cropping Practices									
Summer Fallow	79,000	55,900	23.7	33.4	1,869,300	109,300	92,800	26.7	31.5	2,922,600
Cont. Cropping	96,000	84,100	30.1	34.4	2,890,700	90,700	77,200	25.9	30.4	2,347,400
Irrigated	- - - - - - N O N E - - - - - - - -					- - - - - - - N O N E - - - - - - -				

BARLEY: Acreage, Yield and Production by Counties
North Dakota, 1983 (Preliminary)

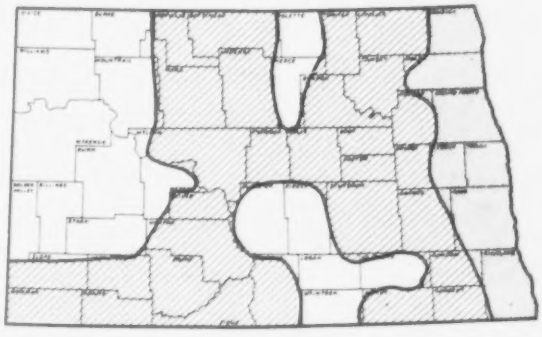
District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	35,000	34,000	37.9	39.0	1,326,000
Divide	48,000	47,500	32.6	33.0	1,567,000
Mountrail	44,000	43,000	37.1	38.0	1,634,000
Renville	68,000	67,000	47.6	48.3	3,235,000
Ward	79,000	78,000	46.4	47.0	3,666,000
Williams	51,000	50,500	33.2	33.5	1,692,000
Northwest	325,000	320,000	40.4	41.0	13,120,000
Benson	66,000	65,000	39.4	40.0	2,600,000
Bottineau	140,000	138,500	43.9	44.3	6,139,000
McHenry	41,000	40,500	46.9	47.5	1,924,000
Pierce	41,000	40,000	38.0	39.0	1,560,000
Rolette	52,000	51,000	38.8	39.5	2,015,000
North Central	340,000	335,000	41.9	42.5	14,238,000
Cavalier	202,000	199,000	45.3	46.0	9,154,000
Grand Forks	167,000	160,000	53.2	55.5	8,880,000
Nelson	76,000	75,000	45.4	46.0	3,450,000
Pembina	96,000	85,000	53.0	59.8	5,085,000
Ramsey	102,000	100,000	40.7	41.5	4,150,000
Towner	101,000	97,000	38.9	40.5	3,929,000
Walsh	106,000	104,000	50.0	51.0	5,304,000
Northeast	850,000	820,000	47.0	48.7	39,952,000
Dunn	17,000	16,000	37.2	39.5	632,000
McKenzie	24,000	23,000	35.5	37.0	851,000
McLean	29,000	28,500	43.8	44.5	1,269,000
Mercer	9,000	7,000	29.6	38.0	266,000
Oliver	11,000	10,500	38.6	40.5	425,000
West Central	90,000	85,000	36.3	40.5	3,443,000
Eddy	16,000	16,000	43.5	43.5	696,000
Foster	12,000	11,000	36.7	40.0	440,000
Kidder	13,000	13,000	37.0	37.0	481,000
Sheridan	20,000	19,500	43.4	44.5	868,000
Stutsman	55,000	50,000	38.0	41.8	2,091,000
Wells	54,000	53,500	46.6	47.0	2,515,000
Central	170,000	163,000	41.7	43.5	7,091,000
Barnes	133,000	128,000	44.3	46.0	5,888,000
Cass	166,000	162,000	55.0	56.4	9,133,000
Griggs	57,000	53,000	44.2	47.5	2,518,000
Steele	90,000	88,000	50.8	52.0	4,576,000
Traill	124,000	119,000	52.3	54.5	6,485,000
East Central	570,000	550,000	50.2	52.0	28,600,000
Adams	16,000	16,000	48.0	48.0	768,000
Billings	4,000	3,500	29.0	33.1	116,000
Bowman	27,000	25,000	35.6	38.5	962,000
Golden Valley	17,000	16,000	28.2	30.0	480,000
Hettinger	38,000	37,000	39.4	40.5	1,499,000
Slope	24,000	19,500	34.1	42.0	819,000
Stark	24,000	23,000	36.9	38.5	886,000
Southwest	150,000	140,000	36.9	39.5	5,530,000
Burleigh	20,000	19,000	32.3	34.0	646,000
Emmons	13,000	12,500	38.5	40.0	500,000
Grant	26,000	25,500	39.2	40.0	1,020,000
Morton	36,000	29,000	32.4	40.3	1,168,000
Sioux	5,000	5,000	34.0	34.0	170,000
South Central	100,000	91,000	35.0	38.5	3,504,000
Dickey	33,000	30,500	42.5	46.0	1,403,000
LaMoure	34,000	33,500	37.9	38.5	1,290,000
Logan	20,000	19,000	34.2	36.0	684,000
McIntosh	14,000	14,000	38.0	38.0	532,000
Ransom	32,000	32,000	46.5	46.5	1,488,000
Richland	46,000	41,500	47.8	53.0	2,200,000
Sargent	26,000	25,500	43.3	44.1	1,125,000
Southeast	205,000	196,000	42.5	44.5	8,722,000
STATE	2,800,000	2,700,000	44.4	46.0	124,200,000

BARLEY, 1983 - Production by Counties,
(Rank of First Ten Counties Shown)



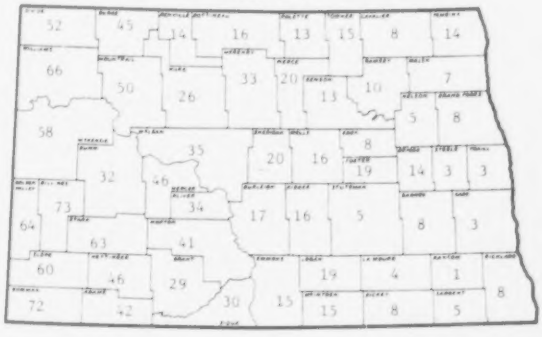
Under 1,000,000 bu.
2,000,000 - 3,999,999 bu.
1,000,000 - 1,999,999 bu.
4,000,000 bu. & over

BARLEY, 1983 - Yield per Harvested Acre
(Bushels)



Under 40.0 bu.
50.0 bu. & over
40.0 - 49.9 bu.

BARLEY - 1983
Percent Planted on Summer Fallow
(Percent)



BARLEY: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

District and County	1982					5-Year Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	20,000	19,700	33.5	34.0	670,000	15,000	13,400	29.6	32.8	461,900
Divide	19,000	18,900	41.3	41.5	784,000	10,600	9,900	31.7	33.8	372,200
Mountrail	16,000	15,100	46.3	49.0	740,000	11,400	10,600	35.8	38.5	431,600
Renville	38,000	37,800	43.2	43.5	1,643,000	38,600	36,700	33.4	34.5	1,298,500
Ward	48,000	47,500	51.9	52.5	2,492,000	38,200	36,000	40.3	42.3	1,615,000
Williams	19,000	18,000	34.6	36.5	657,000	10,800	9,600	31.2	35.0	358,200
Northwest	160,000	157,000	43.7	44.5	6,986,000	124,600	116,200	34.9	36.9	4,537,300
Benson	43,000	41,500	44.4	46.0	1,909,000	47,000	44,000	36.3	38.5	1,737,700
Bottineau	82,000	81,500	45.8	46.0	3,752,000	89,900	84,800	35.0	36.5	3,151,200
McHenry	29,000	28,600	49.3	50.0	1,430,000	29,200	26,700	38.3	40.7	1,123,300
Pierce	32,000	31,700	52.5	53.0	1,680,000	31,800	29,400	36.5	38.9	1,187,800
Rolette	34,000	33,700	48.6	49.0	1,651,000	44,000	41,300	37.9	39.7	1,652,600
North Central	220,000	217,000	47.4	48.0	10,422,000	242,000	226,200	36.4	38.4	8,852,500
Cavalier	175,000	173,000	56.3	57.0	9,855,000	183,100	177,000	45.9	47.6	8,385,100
Grand Forks	160,000	159,000	59.6	60.0	9,534,000	150,100	142,300	47.3	49.2	7,163,600
Nelson	44,000	43,500	50.9	51.5	2,240,000	49,300	48,000	40.7	41.8	2,057,400
Pembina	70,000	68,500	60.7	62.0	4,247,000	68,100	65,200	50.5	52.6	3,456,800
Ramsey	61,000	58,000	46.1	48.5	2,813,000	70,500	64,800	39.0	42.3	2,768,400
Towner	80,000	76,000	45.6	48.0	3,648,000	82,200	77,100	37.3	39.7	3,098,600
Walsh	90,000	86,000	50.2	52.5	4,515,000	98,500	91,300	44.2	47.3	4,422,800
Northeast	680,000	664,000	54.2	55.5	36,852,000	701,800	665,700	44.4	46.7	31,352,700
Dunn	10,000	9,900	45.5	46.0	455,000	8,500	7,100	31.4	35.6	280,400
McKenzie	15,000	13,500	39.1	43.5	587,000	11,400	10,100	33.1	37.3	403,800
McLean	13,000	12,800	49.2	50.0	640,000	12,500	12,000	38.4	39.8	512,200
Mercer	4,000	3,900	50.8	52.1	203,000	3,900	3,300	30.9	34.5	123,200
Oliver	8,000	7,900	49.4	50.0	395,000	7,100	6,700	41.4	43.5	296,600
West Central	50,000	48,000	45.6	47.5	2,280,000	43,400	39,200	35.4	38.7	1,616,200
Eddy	6,500	6,000	51.7	56.0	336,000	8,400	7,900	40.3	42.9	332,500
Foster	8,000	7,800	53.6	55.0	429,000	10,700	9,800	40.6	45.1	446,600
Kidder	9,000	8,700	46.4	48.0	418,000	11,700	10,500	31.9	34.0	364,600
Sheridan	13,000	11,000	29.6	35.0	385,000	13,700	12,700	32.9	35.2	462,500
Stutsman	38,000	37,500	48.4	49.0	1,839,000	32,500	30,900	38.3	40.0	1,320,000
Wells	35,500	35,000	47.4	48.0	1,681,000	39,900	37,000	39.5	42.4	1,605,100
Central	110,000	106,000	46.3	48.0	5,088,000	117,000	108,700	37.7	40.2	4,531,300
Barnes	115,000	114,500	55.3	55.5	6,355,000	116,900	115,200	46.3	46.9	5,447,800
Cass	190,000	189,000	61.7	62.0	11,725,000	182,000	180,000	54.5	55.1	9,964,900
Griggs	40,000	39,500	55.8	56.5	2,232,000	40,100	38,400	42.8	43.9	1,735,200
Steele	80,000	79,000	56.8	57.5	4,543,000	85,300	84,000	47.6	48.1	4,049,400
Traill	125,000	124,000	67.5	68.0	8,432,000	126,500	124,800	57.1	57.7	7,245,500
East Central	550,000	546,000	60.5	61.0	33,287,000	550,800	542,400	51.4	52.1	28,442,800
Adams	6,000	5,900	35.3	35.9	212,000	6,100	4,500	23.4	25.7	129,000
Billings	1,500	1,400	26.0	27.9	39,000	1,800	1,300	23.2	26.8	36,700
Bowman	14,500	13,700	40.6	43.0	589,000	11,400	8,600	23.8	29.1	275,500
Golden Valley	8,000	7,800	54.1	55.5	433,000	7,100	5,400	32.9	39.0	232,800
Hettinger	13,000	12,900	39.2	39.5	510,000	9,500	8,700	30.6	32.8	308,100
Slope	11,000	10,400	44.5	47.0	489,000	9,800	7,400	30.3	34.6	277,100
Stark	9,000	8,400	29.9	32.0	269,000	9,000	7,500	25.0	28.5	231,100
Southwest	63,000	60,500	40.3	42.0	2,541,000	54,700	43,300	27.5	31.6	1,490,400
Burleigh	9,000	8,500	45.3	48.0	408,000	10,100	8,800	28.5	31.1	296,200
Emmons	8,000	7,900	35.1	35.6	281,000	8,000	6,500	27.9	30.1	217,000
Grant	14,000	13,800	42.4	43.0	593,000	12,600	9,500	25.1	30.2	309,700
Morton	23,000	22,300	42.7	44.0	981,000	20,300	16,400	29.4	35.2	612,300
Sioux	3,000	2,500	34.3	41.2	103,000	3,100	2,200	19.8	24.1	57,100
South Central	57,000	55,000	41.5	43.0	2,366,000	54,000	43,400	27.5	31.8	1,492,300
Dickey	37,000	36,500	35.0	35.5	1,296,000	35,400	34,700	36.4	37.1	1,313,700
LaMoure	26,000	25,700	45.0	45.5	1,169,000	25,400	24,800	39.6	40.5	1,028,200
Logan	10,000	9,600	40.3	42.0	403,000	6,000	5,600	30.3	32.3	195,400
McIntosh	8,000	7,800	33.1	34.0	265,000	9,000	8,000	28.9	30.9	260,400
Ransom	28,000	27,800	50.6	51.0	1,418,000	29,400	28,700	43.3	44.2	1,283,300
Richland	55,000	53,400	47.6	49.0	2,617,000	54,400	53,600	45.7	46.4	2,500,800
Sargent	26,000	25,700	43.5	44.0	1,130,000	28,000	27,400	41.6	42.5	1,166,600
Southeast	190,000	186,500	43.7	44.5	8,298,000	187,700	182,900	40.9	41.9	7,748,400
STATE	2,080,000	2,040,000	52.0	53.0	108,120,000	2,076,000	1,968,000	42.9	45.0	90,064,000

1/ Totals may not add due to rounding.

BARLEY: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1983 (Preliminary) 1/

District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	15,800	15,300	43.1	44.5	681,000	19,200	18,700	33.6	34.5	645,000
Divide	25,100	25,100	37.7	37.7	945,800	22,700	22,200	26.8	27.4	608,000
Mountrail	22,200	22,200	39.4	39.4	875,000	21,800	20,800	34.8	36.5	759,000
Renville	9,700	9,700	53.3	53.3	517,000	58,300	57,300	46.6	47.4	2,718,000
Ward	20,900	20,400	47.6	48.8	995,000	58,100	57,600	46.0	46.4	2,671,000
Williams	33,800	33,300	33.2	33.7	1,121,400	17,000	17,000	32.8	32.8	557,000
Northwest	127,500	126,000	40.3	40.8	5,135,200	197,100	193,600	40.4	41.1	7,958,000
Benson	8,700	8,500	42.6	43.6	371,000	57,100	56,300	38.9	39.4	2,219,000
Bottineau	22,300	22,300	44.9	44.9	1,002,000	117,700	116,200	43.6	44.2	5,137,000
McHenry	13,700	13,700	51.6	51.6	707,000	27,300	26,800	44.6	45.4	1,217,000
Pierce	8,000	8,000	42.3	42.3	338,000	33,000	32,000	37.0	38.2	1,222,000
Rolette	7,000	6,500	36.1	38.9	253,000	45,000	44,500	39.2	39.6	1,762,000
North Central	59,700	59,000	44.7	45.3	2,671,000	280,100	275,800	41.3	41.9	11,557,000
Cavalier	15,400	15,000	41.2	42.3	635,000	186,600	184,000	45.7	46.3	8,519,000
Grand Forks	13,500	12,000	47.2	53.1	637,000	153,500	148,000	53.7	55.7	8,243,000
Nelson	4,100	4,000	40.6	41.6	166,500	71,800	70,900	45.6	46.2	3,277,000
Pembina	13,600	10,000	39.9	54.3	543,000	82,400	75,000	55.1	60.6	4,542,000
Ramsey	10,400	10,000	45.4	47.2	472,000	91,600	90,000	40.2	40.9	3,678,000
Towner	14,700	14,700	44.4	44.4	653,000	86,300	82,300	38.0	39.8	3,276,000
Walsh	7,600	7,000	44.1	47.9	335,000	98,400	97,000	50.5	51.2	4,969,000
Northeast	79,300	72,700	43.4	47.3	3,441,500	770,600	747,200	47.4	48.9	36,504,000
Dunn	5,400	5,000	40.2	43.4	217,000	11,600	11,000	35.8	37.7	415,000
McKenzie	13,800	13,300	37.6	39.0	518,800	9,600	9,100	29.5	31.1	283,000
McLean	10,200	9,700	45.1	47.5	460,500	18,500	18,500	42.3	42.3	783,000
Mercer	4,100	2,900	27.6	39.0	113,000	4,900	4,100	31.2	37.3	153,000
Oliver	3,700	3,500	43.5	46.0	161,000	7,200	6,900	35.7	37.2	257,000
West Central	37,200	34,400	39.5	42.7	1,470,300	51,800	49,600	36.5	38.1	1,891,000
Eddy	1,300	1,300	44.6	44.6	58,000	14,600	14,600	43.4	43.4	633,000
Foster	2,300	2,300	40.9	40.9	94,000	9,700	8,700	35.7	39.8	346,000
Kidder	2,100	2,100	42.9	42.9	90,000	10,700	10,700	35.3	35.3	378,000
Sheridan	4,000	3,500	43.0	49.1	172,000	16,000	16,000	43.5	43.5	696,000
Stutsman	2,600	2,200	33.5	39.6	87,200	52,200	47,600	38.2	41.9	1,993,000
Wells	8,500	8,500	50.5	50.5	429,000	45,500	45,000	45.8	46.4	2,086,000
Central	20,800	19,900	44.7	46.7	930,200	148,700	142,600	41.2	43.0	6,132,000
Barnes	10,400	7,500	30.5	42.3	317,000	122,600	120,500	45.4	46.2	5,571,000
Cass	4,600	4,000	51.7	59.5	238,000	161,000	157,600	55.1	56.3	8,867,000
Griggs	7,900	5,500	33.4	47.9	263,600	48,800	47,200	45.8	47.3	2,234,000
Steele	2,300	2,000	43.0	49.5	99,000	87,700	86,000	51.0	52.1	4,477,000
Traill	3,600	3,000	42.5	51.0	153,000	120,400	116,000	52.6	54.6	6,332,000
East Central	28,800	22,000	37.2	48.7	1,070,600	540,500	527,300	50.8	52.1	27,481,000
Adams	6,700	6,700	52.2	52.2	350,000	9,300	9,300	44.9	44.9	418,000
Billings	2,900	2,500	30.3	35.2	88,000	1,100	1,000	25.5	28.0	28,000
Bowman	19,400	18,000	36.2	39.1	703,000	7,600	7,000	34.1	37.0	259,000
Golden Valley	10,900	10,400	29.1	30.5	317,000	5,900	5,400	25.6	28.0	151,000
Hettinger	17,500	16,500	45.0	47.8	788,000	20,500	20,500	34.7	34.7	711,000
Slope	14,500	11,200	36.4	47.1	528,000	9,500	8,300	30.6	35.1	291,000
Stark	15,200	14,700	40.5	41.8	615,000	8,800	8,300	30.8	32.7	271,000
Southwest	87,100	80,000	38.9	42.4	3,389,000	62,700	59,800	34.0	35.6	2,129,000
Burleigh	3,400	3,400	41.2	41.2	140,000	16,100	15,100	29.6	31.5	476,000
Emmons	1,900	1,900	51.3	51.3	97,500	11,000	10,500	36.0	37.7	396,000
Grant	7,600	7,100	35.9	38.4	272,500	18,300	18,300	40.4	40.4	740,000
Morton	14,900	10,500	29.7	42.2	443,000	21,100	18,500	34.4	39.2	725,000
Sioux	1,500	1,500	40.7	40.7	61,000	3,500	3,500	31.1	31.1	109,000
South Central	29,300	24,400	34.6	41.6	1,014,000	70,000	65,900	34.9	37.1	2,446,000
Dickey	2,800	1,500	22.5	42.0	63,000	29,500	28,300	43.3	45.1	1,277,000
LaMoure	1,300	1,300	47.3	47.3	61,500	32,600	32,100	37.5	38.1	1,222,000
Logan	3,800	3,800	50.8	50.8	193,000	16,200	15,200	30.3	32.3	491,000
McIntosh	2,100	2,100	45.7	45.7	96,000	11,900	11,900	36.6	36.6	436,000
Ransom	400	400	48.8	48.8	19,500	31,300	31,300	46.1	46.1	1,443,000
Richland	3,700	2,000	30.8	57.0	114,000	42,300	39,500	49.3	52.8	2,086,000
Sargent	1,300	1,300	52.3	52.3	68,000	24,700	24,200	42.8	43.7	1,057,000
Southeast	15,400	12,400	39.9	49.6	615,000	188,500	182,500	42.5	43.9	8,012,000
STATE	485,100	450,800	40.7	43.8	19,736,800	2,310,000	2,244,300	45.1	46.4	104,110,000

1/ See page 66 for irrigated acres.

BARLEY: Acreage, Yield and Production for Summer Fallow and Continuous Cropping by Counties, North Dakota, 1982 (Revised) 1/

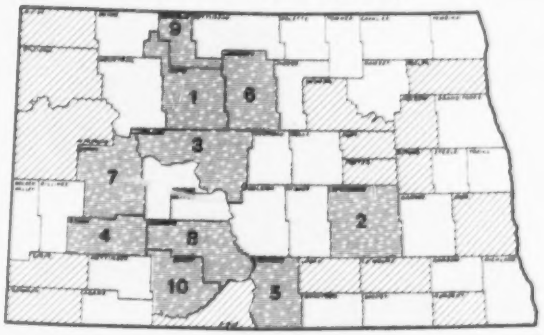
District and County	Summer Fallow					Continuous Cropping				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	5,500	5,500	41.8	41.8	230,000	14,500	14,200	30.3	31.0	440,000
Divide	10,500	10,400	44.8	45.2	470,000	8,500	8,500	36.9	36.9	314,000
Mountrail	8,000	7,200	48.4	53.8	387,000	8,000	7,900	44.1	44.7	353,000
Renville	6,000	6,000	44.7	44.7	268,000	32,000	31,800	43.0	43.2	1,375,000
Ward	14,900	14,700	50.5	51.2	752,000	33,000	32,700	52.6	53.0	1,734,500
Williams	13,500	12,700	36.9	39.3	498,700	5,400	5,200	28.0	29.0	151,000
Northwest	58,400	56,500	44.6	46.1	2,605,700	101,400	100,300	43.1	43.5	4,367,500
Benson	1,900	1,700	44.7	50.0	85,000	41,000	39,700	44.3	45.8	1,817,000
Bottineau	11,500	11,500	58.3	58.3	671,000	70,500	70,000	43.7	44.0	3,081,000
McHenry	4,500	4,400	56.2	57.5	253,000	24,500	24,200	48.0	48.6	1,177,000
Pierce	5,500	5,400	63.1	64.3	347,000	26,500	26,300	50.3	50.7	1,333,000
Rolette	9,000	9,000	50.9	50.9	458,000	25,000	24,700	47.7	48.3	1,193,000
North Central	32,400	32,000	56.0	56.7	1,814,000	187,500	184,900	45.9	46.5	8,601,000
Cavalier	11,000	10,800	56.5	57.6	622,000	164,000	162,200	56.3	56.9	9,233,000
Grand Forks	6,000	6,000	57.3	57.3	344,000	154,000	153,000	59.7	60.1	9,190,000
Nelson	2,500	2,400	46.4	48.3	116,000	41,500	41,100	51.2	51.7	2,124,000
Pembina	8,000	8,000	65.8	65.8	526,000	62,000	60,500	60.0	61.5	3,721,000
Ramsey	16,000	15,500	44.3	45.7	709,000	45,000	42,500	46.8	49.5	2,104,000
Towner	4,500	4,300	42.9	44.9	193,000	75,500	71,700	45.8	48.2	3,455,000
Walsh	5,500	5,200	42.5	45.0	234,000	84,500	80,800	50.7	53.0	4,281,000
Northeast	53,500	52,200	51.3	52.6	2,744,000	626,500	611,800	54.4	55.8	34,108,000
Dunn	3,000	3,000	56.7	56.7	170,000	7,000	6,900	40.7	41.3	285,000
McKenzie	9,500	8,600	41.2	45.5	391,400	5,100	4,500	32.5	36.9	166,000
McLean	5,900	5,800	51.5	52.4	304,000	6,900	6,800	46.2	46.9	319,000
Mercer	1,200	1,200	54.2	54.2	65,000	2,800	2,700	49.3	51.1	138,000
Oliver	1,900	1,900	51.1	51.1	97,000	6,000	5,900	48.5	49.3	291,000
West Central	21,500	20,500	47.8	50.1	1,027,400	27,800	26,800	43.1	44.7	1,199,000
Eddy	800	700	52.5	60.0	42,000	5,300	4,900	49.7	53.7	263,200
Foster	1,000	1,000	60.0	60.0	60,000	7,000	6,800	52.7	54.3	369,000
Kidder	1,100	1,000	50.0	55.0	55,000	7,500	7,300	44.8	46.1	336,200
Sheridan	5,000	4,200	29.8	35.5	149,000	8,000	6,800	29.5	34.7	236,000
Stutsman	1,000	1,000	55.0	55.0	55,000	37,000	36,500	48.2	48.9	1,784,000
Wells	5,500	5,400	47.6	48.5	262,000	30,000	29,600	47.3	47.9	1,419,000
Central	14,400	13,300	43.3	46.8	623,000	94,800	91,900	46.5	48.0	4,407,400
Barnes	2,000	2,000	56.0	56.0	112,000	113,000	112,500	55.2	55.5	6,243,000
Cass	2,000	2,000	66.5	66.5	133,000	188,000	187,000	61.7	62.0	11,592,000
Griggs	4,700	4,700	50.0	50.0	235,000	35,000	34,500	56.4	57.2	1,973,000
Steele	3,000	3,000	62.7	62.7	188,000	77,000	76,000	56.6	57.3	4,355,000
Traill	1,000	1,000	60.0	60.0	60,000	124,000	123,000	67.5	68.1	8,372,000
East Central	12,700	12,700	57.3	57.3	728,000	537,000	533,000	60.6	61.0	32,535,000
Adams	1,500	1,500	39.3	39.3	59,000	4,500	4,400	34.0	34.8	153,000
Billings	900	900	33.3	33.3	30,000	600	500	15.0	18.0	9,000
Bowman	11,500	10,900	41.9	44.2	482,000	3,000	2,800	35.7	38.2	107,000
Golden Valley	6,000	5,900	54.1	55.0	324,500	1,900	1,800	53.2	56.1	101,000
Hettinger	5,000	5,000	43.2	43.2	216,000	8,000	7,900	36.8	37.2	294,000
Slope	7,500	7,400	50.1	50.8	376,000	3,500	3,000	32.3	37.7	113,000
Stark	6,000	5,500	32.8	35.8	197,000	3,000	2,900	24.0	24.8	72,000
Southwest	38,400	37,100	43.9	45.4	1,684,500	24,500	23,300	34.7	36.4	849,000
Burleigh	1,100	1,000	42.7	47.0	47,000	7,700	7,300	45.2	47.7	348,000
Emmons	1,000	1,000	34.0	34.0	34,000	7,000	6,900	35.3	35.8	247,000
Grant	6,500	6,400	40.5	41.1	263,000	7,400	7,300	44.1	44.7	326,000
Morton	4,900	4,800	46.5	47.5	228,000	18,000	17,400	41.6	43.0	749,000
Sioux	500	500	42.0	42.0	21,000	2,500	2,000	32.8	41.0	82,000
South Central	14,000	13,700	42.4	43.3	593,000	42,600	40,900	41.1	42.8	1,752,000
Dickey	500	500	40.0	40.0	20,000	36,000	35,500	34.3	34.8	1,236,000
LaMoure	500	500	48.0	48.0	24,000	25,500	25,200	44.9	45.4	1,145,000
Logan	2,000	1,900	44.0	46.3	88,000	8,000	7,700	39.4	40.9	315,000
McIntosh	1,500	1,500	35.3	35.3	53,000	6,500	6,300	32.6	33.7	212,000
Ransom	300	300	50.0	50.0	15,000	27,500	27,300	50.4	50.8	1,387,000
Richland	2,000	2,000	60.5	60.5	121,000	53,000	51,400	47.1	48.6	2,496,000
Sargent	400	400	45.5	45.5	18,200	25,400	25,100	43.0	43.5	1,093,000
Southeast	7,200	7,100	47.1	47.8	339,200	181,900	178,500	43.3	44.2	7,884,000
STATE	252,500	245,100	48.2	49.6	12,158,800	1,824,000	1,791,400	52.5	53.4	95,702,900

1/ See page 66 for irrigated acres.

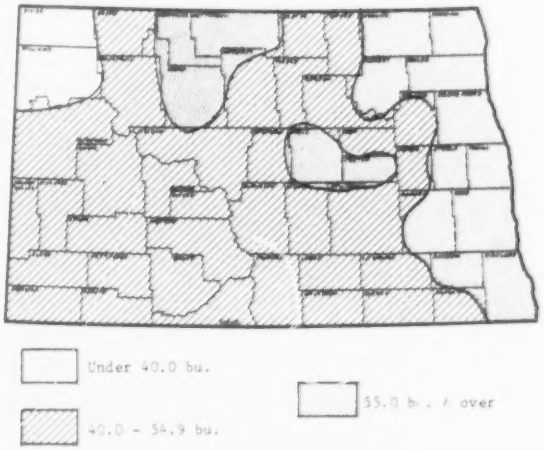
OATS: Acreage, Yield and Production by Counties, North Dakota, 1983 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	26,000	24,500	49.0	52.0	1,274,000
Divide	19,500	17,000	34.0	39.0	663,000
Mountrail	44,500	38,000	40.1	47.0	1,786,000
Renville	35,000	34,500	61.1	62.0	2,139,000
Ward	65,000	62,500	59.6	62.0	3,875,000
Williams	30,000	25,500	32.3	38.0	969,000
Northwest	220,000	202,000	48.7	53.0	10,706,000
Benson	25,000	22,500	37.8	42.0	945,000
Bottineau	41,000	32,500	43.7	55.2	1,793,000
McHenry	52,000	47,000	45.2	50.0	2,350,000
Pierce	32,000	29,000	38.1	42.0	1,218,000
Rolette	10,000	9,000	41.4	46.0	414,000
North Central	160,000	140,000	42.0	48.0	6,720,000
Cavalier	6,000	4,600	43.3	56.5	260,000
Grand Forks	13,000	6,900	30.8	58.0	400,000
Nelson	19,000	17,000	47.2	52.8	897,000
Pembina	13,000	3,300	16.0	63.0	208,000
Ramsey	7,000	5,400	42.4	55.0	297,000
Towner	6,000	3,100	23.2	44.8	139,000
Walsh	11,000	9,700	47.6	54.0	524,000
Northeast	75,000	50,000	36.3	54.5	2,725,000
Dunn	50,000	38,500	43.1	56.0	2,156,000
McKenzie	26,000	20,000	36.2	47.0	940,000
McLean	60,000	51,000	44.2	52.0	2,652,000
Mercer	35,000	25,500	37.5	51.5	1,312,000
Oliver	24,000	20,000	41.7	50.0	1,000,000
West Central	195,000	155,000	41.3	52.0	8,060,000
Eddy	18,000	16,500	44.0	48.0	792,000
Foster	15,000	11,500	42.9	56.0	644,000
Kidder	37,000	33,500	40.2	44.4	1,489,000
Sheridan	24,000	21,000	42.0	48.0	1,008,000
Stutsman	57,000	53,000	48.4	52.0	2,756,000
Wells	24,000	19,500	47.1	58.0	1,131,000
Central	175,000	155,000	44.7	50.5	7,820,000
Barnes	22,000	19,500	49.6	56.0	1,092,000
Cass	14,000	9,100	45.5	70.0	637,000
Griggs	16,000	14,500	47.1	52.0	754,000
Steele	4,000	1,700	28.3	66.5	113,000
Traill	4,000	3,200	47.0	58.8	188,000
East Central	60,000	48,000	46.4	58.0	2,784,000
Adams	34,000	30,500	51.7	57.6	1,758,000
Billings	14,000	10,000	34.3	48.0	480,000
Bowman	17,000	15,000	37.9	43.0	645,000
Golden Valley	13,000	10,000	30.8	40.0	400,000
Hettinger	27,000	24,500	47.2	52.0	1,274,000
Slope	16,000	11,000	37.1	54.0	594,000
Stark	54,000	49,000	46.3	51.0	2,499,000
Southwest	175,000	150,000	43.7	51.0	7,650,000
Burleigh	50,000	40,500	32.8	40.5	1,640,000
Emmons	65,000	51,500	38.0	48.0	2,472,000
Grant	48,000	43,000	42.1	47.0	2,021,000
Morton	60,000	43,000	35.8	50.0	2,150,000
Sioux	17,000	12,000	32.5	46.0	552,000
South Central	240,000	190,000	36.8	46.5	8,835,000
Dickey	28,000	24,000	38.1	44.5	1,068,000
LaMoure	25,000	22,000	39.6	45.0	990,000
Logan	29,000	25,000	33.6	39.0	975,000
McIntosh	44,000	42,000	44.8	47.0	1,973,000
Ransom	25,000	21,000	48.7	58.0	1,218,000
Richland	26,000	18,000	45.0	65.0	1,170,000
Sargent	23,000	18,000	40.7	52.0	936,000
Southeast	200,000	170,000	41.7	49.0	8,330,000
STATE	1,500,000	1,260,000	42.4	50.5	63,630,000

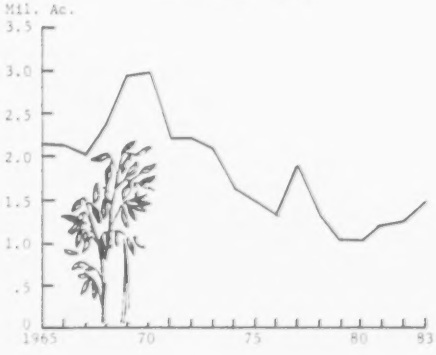
OATS, 1983 - Production by Counties, (Rank of First Ten Counties Shown)



OATS, 1983 - Yield per Harvested Acre (Bushels)



OATS PLANTED ACRES
North Dakota, 1965-83



OATS: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

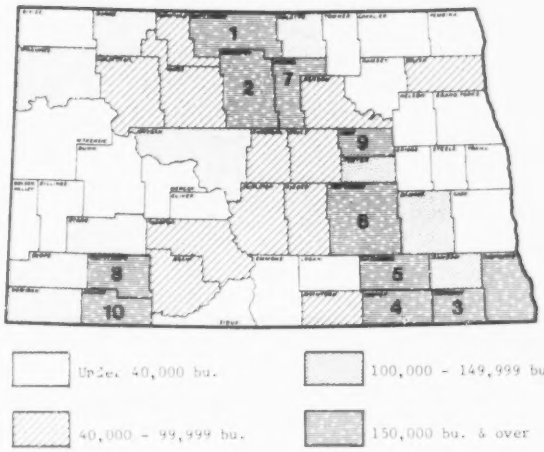
District and County	1982					5-Year Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	16,500	15,500	44.2	47.0	729,000	10,300	9,400	38.4	42.2	418,700
Divide	12,500	11,500	45.6	49.6	570,000	10,600	8,500	37.8	47.6	407,200
Mountrail	29,500	26,500	51.5	57.3	1,519,000	21,400	16,600	34.5	44.3	790,800
Renville	23,000	22,500	54.4	55.6	1,251,000	18,300	16,700	42.1	45.5	796,800
Ward	47,000	45,500	57.7	59.6	2,712,000	37,400	32,400	43.4	48.8	1,659,300
Williams	21,500	18,500	48.6	56.5	1,045,000	16,700	12,800	35.0	46.1	624,300
Northwest	150,000	140,000	52.2	55.9	7,826,000	114,700	96,500	39.3	46.3	4,697,100
Benson	14,500	13,500	52.3	56.2	759,000	13,400	11,800	38.4	44.0	541,400
Bottineau	20,000	18,000	49.6	55.1	992,000	16,200	14,000	35.8	41.4	612,000
McHenry	47,000	43,500	48.9	52.8	2,298,000	43,600	36,300	37.0	43.9	1,670,600
Pierce	24,500	23,000	50.5	53.8	1,238,000	27,600	23,800	37.4	43.2	1,045,800
Rolette	19,000	17,000	49.8	55.6	946,000	13,500	11,500	34.9	41.0	499,800
North Central	125,000	115,000	49.9	54.2	6,233,000	114,300	97,400	36.9	43.1	4,369,600
Cavalier	7,500	7,000	73.6	78.9	552,000	5,600	4,900	41.8	49.2	255,500
Grand Forks	14,000	13,500	68.6	71.2	961,000	11,800	10,600	52.0	57.6	632,000
Nelson	14,000	13,000	68.5	73.8	959,000	9,700	8,500	44.3	49.8	462,900
Pembina	6,600	6,400	80.6	83.1	532,000	4,200	3,600	46.9	55.8	221,800
Ramsey	7,400	6,900	59.7	64.1	442,000	4,800	4,400	43.4	48.1	226,900
Towner	4,500	4,100	58.7	64.4	264,000	4,500	3,700	35.4	44.0	168,200
Walsh	9,000	8,100	58.6	65.1	527,000	7,700	6,900	47.2	53.4	376,800
Northeast	63,000	59,000	67.3	71.8	4,237,000	48,300	42,600	45.6	51.9	2,344,100
Dunn	50,000	42,000	49.3	59.4	2,494,000	39,200	24,100	28.4	41.9	1,196,000
McKenzie	27,000	19,000	38.8	55.2	1,048,000	26,100	14,000	24.9	43.3	675,600
McLean	39,000	35,000	45.9	51.2	1,791,000	35,400	29,000	36.8	43.8	1,338,700
Mercer	32,000	26,000	47.6	58.6	1,523,000	27,900	19,200	32.6	43.5	928,000
Oliver	22,000	18,000	46.6	57.0	1,026,000	24,600	17,400	33.9	44.1	807,100
West Central	170,000	140,000	46.4	56.3	7,882,000	153,200	103,600	31.5	43.6	4,945,500
Eddy	17,500	17,000	59.0	60.8	1,033,000	14,500	13,400	41.4	44.6	614,800
Foster	12,000	11,500	55.3	57.7	663,000	10,700	9,400	44.7	50.3	483,500
Kidder	36,500	32,000	37.8	43.1	1,380,000	37,300	29,400	32.4	38.6	1,234,400
Sheridan	17,000	12,000	34.5	48.8	586,000	20,900	15,300	31.2	42.2	680,700
Stutsman	32,000	30,000	56.7	60.5	1,815,000	34,700	29,300	42.7	48.3	1,500,000
Wells	15,000	13,500	44.3	49.2	664,000	15,700	11,300	31.4	43.0	506,900
Central	130,000	116,000	47.2	52.9	6,141,000	133,700	108,200	36.7	44.3	5,020,200
Barnes	21,500	19,000	52.1	59.0	1,121,000	21,700	19,700	46.3	50.4	1,031,600
Cass	18,500	17,500	65.5	69.2	1,211,000	19,000	18,100	61.5	64.5	1,194,100
Griggs	14,500	13,000	67.2	75.0	975,000	11,900	10,300	46.8	53.7	574,400
Steele	5,800	5,400	67.4	72.4	391,000	4,700	4,500	54.8	57.0	267,000
Traill	6,700	6,100	64.5	70.8	432,000	6,500	5,900	58.1	63.8	382,300
East Central	67,000	61,000	61.6	67.7	4,130,000	63,800	58,400	52.6	57.3	3,449,400
Adams	24,000	21,000	44.5	50.8	1,067,000	17,400	10,600	23.9	35.5	465,000
Billings	15,500	12,000	41.2	53.2	638,000	12,300	6,300	24.3	41.0	307,200
Bowman	22,000	19,500	46.2	52.1	1,016,000	27,400	15,400	22.6	35.4	589,500
Golden Valley	14,500	13,000	50.2	56.0	728,000	11,000	7,600	27.4	37.2	340,300
Hettinger	19,500	18,000	42.1	45.6	821,000	16,400	12,100	32.4	40.7	539,200
Slope	15,000	12,000	42.6	53.3	639,000	11,600	7,600	25.8	38.3	316,200
Stark	44,500	39,500	42.0	47.3	1,868,000	41,000	28,800	27.9	35.9	1,191,400
Southwest	155,000	135,000	43.7	50.2	6,777,000	137,000	88,200	26.3	37.3	3,748,800
Burleigh	42,000	37,000	49.9	56.6	2,094,000	39,700	29,100	33.0	43.9	1,394,300
Emmons	60,000	50,000	38.7	46.4	2,320,000	55,800	37,300	30.8	40.4	1,734,100
Grant	46,500	37,500	37.0	45.9	1,722,000	43,400	27,600	25.2	36.6	1,095,400
Morton	63,000	57,000	50.9	56.2	3,204,000	59,500	37,800	30.7	43.3	1,855,500
Sioux	18,500	12,500	33.7	49.8	623,000	17,200	10,600	24.6	34.7	412,000
South Central	230,000	194,000	43.3	51.4	9,963,000	215,600	142,400	29.6	40.9	6,491,300
Dickey	33,000	30,000	34.3	37.8	1,133,000	31,800	28,200	38.7	42.9	1,272,400
LaMoure	30,000	28,000	50.1	53.7	1,504,000	31,600	28,100	42.6	47.3	1,388,500
Logan	28,000	21,500	36.0	46.9	1,008,000	29,900	20,900	31.5	40.8	922,600
McIntosh	39,000	36,000	37.4	40.5	1,458,000	33,400	26,200	34.9	40.1	1,175,800
Ransom	27,000	25,000	46.0	49.7	1,243,000	24,000	22,200	48.7	52.1	1,186,600
Richland	30,000	28,500	54.3	57.2	1,630,000	30,300	28,600	58.5	61.7	1,790,900
Sargent	23,000	21,000	40.7	44.5	935,000	22,400	20,500	47.1	51.4	1,069,100
Southeast	210,000	190,000	42.4	46.9	8,911,000	203,400	174,700	42.6	48.7	8,806,000
STATE	1,300,000	1,150,000	47.8	54.0	62,100,000	1,184,000	912,000	36.0	45.6	43,872,000

1/ Totals may not add due to rounding.

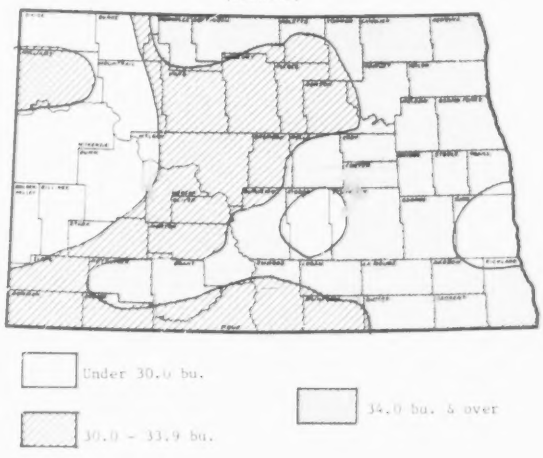
RYE: Acreage, Yield and Production by Counties, North Dakota, 1983 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	4,600	4,100	24.5	27.5	112,800
Divide	1,400	1,100	20.1	25.5	28,100
Mountrail	3,500	3,100	24.4	27.5	85,300
Renville	3,000	2,700	33.3	37.0	99,900
Ward	2,900	2,500	26.3	30.5	76,300
Williams	5,100	4,500	27.0	30.6	137,600
Northwest	20,500	18,000	26.3	30.0	540,000
Benson	1,700	1,600	29.2	31.0	49,600
Bottineau	14,000	13,000	36.2	39.0	507,100
McHenry	11,000	10,000	28.6	31.5	315,000
Pierce	8,200	7,600	24.1	26.0	197,600
Rolette	4,600	4,300	25.2	27.0	116,100
North Central	39,500	36,500	30.0	32.5	1,185,400
Cavalier	400	400	38.0	38.0	15,200
Grand Forks	900	900	34.0	34.0	30,600
Nelson	400	400	39.0	39.0	15,600
Pembina	1,000	900	38.8	43.1	38,800
Ramsey	300	300	34.0	34.0	10,200
Towner	900	800	30.2	34.0	27,200
Walsh	1,100	1,000	37.3	41.0	41,000
Northeast	5,000	4,700	35.7	38.0	178,600
Dunn	700	600	23.1	27.0	16,200
McKenzie	400	400	27.0	27.0	10,800
McLean	4,300	3,900	28.3	31.2	121,500
Mercer	500	500	32.0	32.0	16,000
Oliver	100	100	30.0	30.0	3,000
West Central	6,000	5,500	27.9	30.5	167,500
Eddy	5,000	4,600	35.9	39.0	179,400
Foster	2,800	2,600	39.9	43.0	111,800
Kidder	2,300	2,100	23.7	26.0	54,600
Sheridan	3,300	2,900	21.5	24.5	71,100
Stutsman	6,300	5,600	37.8	42.6	238,300
Wells	1,800	1,700	36.8	39.0	66,300
Central	21,500	19,500	33.6	37.0	721,500
Barnes	3,300	2,900	32.5	37.0	107,200
Cass	1,400	1,200	24.9	29.0	34,800
Griggs	300	300	32.7	32.7	9,800
Steele	--	--	--	--	--
Traill	--	--	--	--	--
East Central	5,000	4,400	30.4	34.5	151,800
Adams	5,800	5,300	30.2	33.0	175,000
Billings	400	400	26.0	26.0	10,400
Bowman	4,700	4,000	25.5	30.0	120,000
Golden Valley	200	200	25.0	25.0	5,000
Hettinger	6,100	5,600	31.2	34.0	190,400
Slope	3,500	3,200	29.3	32.0	102,400
Stark	5,300	4,800	28.1	31.0	148,800
Southwest	26,000	23,500	28.9	32.0	752,000
Burleigh	2,300	2,000	31.3	36.0	72,000
Emmons	1,000	900	28.8	32.0	28,800
Grant	2,500	2,200	30.6	34.8	76,500
Morton	1,900	1,600	25.3	30.0	48,000
Sioux	800	700	23.6	27.0	18,900
South Central	8,500	7,400	28.7	33.0	244,200
Dickey	6,600	6,000	37.3	41.0	246,000
LaMoure	6,700	6,300	35.7	38.0	239,400
Logan	900	700	26.4	34.0	23,800
McIntosh	2,500	2,400	26.9	28.0	67,200
Ransom	4,300	3,900	30.8	34.0	132,600
Richland	4,100	3,900	36.6	38.5	150,200
Sargent	7,900	7,300	37.9	41.1	299,800
Southeast	33,000	30,500	35.1	38.0	1,159,000
STATE	165,000	150,000	30.9	34.0	5,100,000

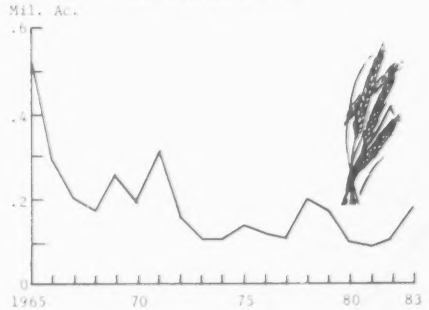
RYE, 1983 - Production by Counties, (Rank of First Ten Counties Shown)



RYE, 1983 - Yield per Harvested Acre (Bushels)



RYE PLANTED ACRES
North Dakota, 1965-83



June 1984

RYE: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

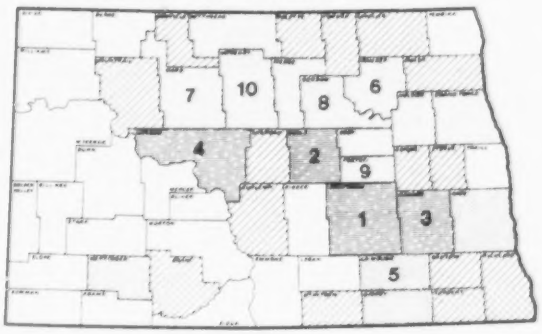
District and County	1982					5-Year Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	1,300	1,100	24.8	29.4	32,300	1,600	1,300	21.2	25.5	34,300
Divide	300	200	19.7	29.5	5,900	400	300	19.9	24.8	8,700
Mountrail	1,500	1,200	25.6	32.0	38,400	1,600	1,400	22.2	25.8	39,200
Renville	1,700	1,300	24.8	32.4	42,100	2,600	2,100	19.2	25.0	51,900
Ward	2,000	1,700	27.5	32.4	55,000	3,400	3,100	26.4	28.9	90,900
Williams	2,300	2,000	30.3	34.9	69,800	2,800	2,300	22.5	27.4	69,300
Northwest	9,100	7,500	26.8	32.5	243,500	12,300	10,600	22.5	26.8	294,200
Benson	1,100	1,000	27.7	30.5	30,500	1,900	1,600	22.2	27.5	42,300
Bottineau	8,900	8,100	31.3	34.4	278,900	9,600	8,200	25.6	30.0	246,400
McHenry	7,500	7,200	28.9	30.1	216,400	9,800	8,600	23.9	26.1	226,500
Pierce	4,700	4,500	32.7	34.2	153,700	4,200	3,700	25.0	27.9	102,900
Rolette	1,800	1,700	30.8	32.6	55,500	2,600	2,200	21.4	24.2	52,300
North Central	24,000	22,500	30.6	32.7	735,000	28,100	24,300	24.3	27.7	670,400
Cavalier	200	200	32.5	32.5	6,500	300	200	23.7	27.0	6,600
Grand Forks	400	300	24.8	33.0	9,900	1,000	700	22.0	27.7	20,600
Nelson	300	200	22.0	33.0	6,600	200	200	22.0	25.6	4,800
Pembina	700	600	28.6	33.3	20,000	1,700	1,500	23.7	27.3	40,900
Ramsey	100	100	31.0	31.0	3,100	200	200	23.5	25.7	5,200
Towner	200	200	32.0	32.0	6,400	300	300	21.9	24.2	6,200
Walsh	1,000	800	26.6	33.3	26,600	500	400	21.9	26.4	11,900
Northeast	2,900	2,400	27.3	33.0	79,100	4,300	3,500	22.5	26.8	96,300
Dunn	300	300	41.3	41.3	12,400	200	200	24.8	26.2	5,800
McKenzie	500	400	32.6	40.8	16,300	500	400	21.6	26.2	11,700
McLean	3,700	3,500	33.8	35.7	124,900	4,600	4,100	23.3	25.7	114,800
Mercer	600	500	30.7	36.8	18,400	300	300	19.8	23.4	7,100
Oliver	200	200	34.5	34.5	6,900	100	100	20.5	23.6	2,600
West Central	5,300	4,900	33.8	36.5	178,900	5,700	5,100	23.0	25.7	141,900
Eddy	2,000	1,800	35.8	39.7	71,500	2,800	2,400	26.5	31.1	71,600
Foster	1,600	1,500	35.2	37.5	56,300	4,100	3,300	30.5	35.5	115,400
Kidder	1,900	1,800	33.0	34.8	62,700	3,100	2,800	22.7	24.0	64,500
Sheridan	1,400	1,300	33.4	35.9	46,700	2,100	1,900	23.9	26.3	46,800
Stutsman	6,300	5,900	36.7	39.2	231,000	6,800	5,900	30.3	33.9	200,200
Wells	1,300	1,200	35.3	38.3	45,900	3,200	2,600	28.7	34.9	89,700
Central	14,500	13,500	35.5	38.1	514,100	22,000	18,900	27.6	31.6	588,300
Barnes	2,500	2,300	37.6	40.9	94,000	3,000	2,600	26.9	30.3	79,400
Cass	3,500	3,200	34.5	37.8	120,900	5,700	4,900	25.7	30.0	136,400
Griggs	200	200	35.0	35.0	7,000	500	400	21.8	25.7	10,000
Steele	400	300	28.3	37.7	11,300	400	300	22.3	27.7	8,500
Traill	100	100	39.0	39.0	3,900	100	100	29.0	29.0	4,100
East Central	6,700	6,100	35.4	38.9	237,100	9,700	8,400	26.0	30.2	238,200
Adams	2,900	2,700	30.9	33.1	89,500	2,200	1,800	22.3	26.5	52,600
Billings	500	400	22.8	28.5	11,400	400	300	17.6	22.4	6,200
Bowman	900	800	31.2	35.1	28,100	800	700	24.4	28.7	21,000
Golden Valley	300	300	31.3	31.3	9,400	200	200	22.4	22.4	4,000
Hettinger	3,500	3,200	28.6	31.3	100,200	3,400	2,800	18.6	21.8	68,500
Slope	1,500	1,400	28.9	30.9	43,300	1,100	900	19.2	23.0	23,900
Stark	2,900	2,700	28.4	30.5	82,400	1,800	1,400	21.6	27.6	41,300
Southwest	12,500	11,500	29.1	31.7	364,300	9,900	8,100	20.6	24.5	217,500
Burleigh	1,700	1,400	23.8	28.9	40,500	1,500	1,300	18.5	21.7	30,000
Emmons	1,500	1,300	25.6	29.5	38,400	1,400	1,200	20.6	23.7	33,700
Grant	2,400	2,000	29.0	34.9	69,700	2,300	1,900	18.1	23.1	46,500
Morton	1,400	1,200	28.1	32.8	39,300	800	700	21.4	23.6	20,900
Sioux	1,500	1,200	27.0	33.8	40,500	600	400	16.3	20.7	11,000
South Central	8,500	7,100	26.9	32.2	228,400	6,600	5,500	18.7	22.8	142,100
Dickey	3,200	2,900	33.2	36.6	106,100	6,500	5,800	28.1	31.0	187,200
LaMoure	6,800	6,300	32.7	35.3	222,600	10,400	9,400	29.7	32.5	305,400
Logan	900	800	30.6	34.4	27,500	900	800	24.4	29.5	22,000
McIntosh	8,700	8,200	29.2	31.0	254,100	6,800	6,000	25.4	28.6	178,500
Ransom	1,500	1,400	34.1	36.5	51,100	3,400	3,000	27.7	30.7	92,100
Richland	1,900	1,700	26.4	29.5	50,200	2,700	2,500	30.9	33.1	79,900
Sargent	3,500	3,200	30.9	33.8	108,000	4,700	4,200	32.7	35.9	151,900
Southeast	26,500	24,500	30.9	33.5	819,600	35,400	31,800	28.6	31.8	1,017,100
STATE	110,000	100,000	30.9	34.0	3,400,000	134,000	116,000	25.1	29.0	3,406,000

1/ Totals may not add due to rounding.

SUNFLOWER, ALL: Acreage, Yield and Production
by Counties, North Dakota, 1983 (Preliminary)

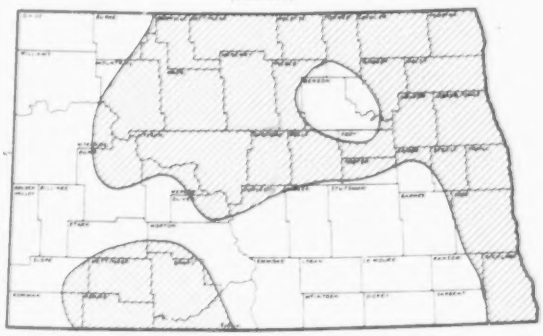
District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	20,500	20,400	830	830	16,956
Divide	23,400	23,200	640	650	15,090
Mountrail	26,500	26,400	1100	1100	29,043
Renville	25,000	25,000	1180	1180	29,500
Ward	81,500	81,000	1150	1160	93,746
Williams	13,100	13,000	790	800	10,405
Northwest	190,000	189,000	1020	1030	194,740
Benson	96,000	96,000	930	930	89,534
Bottineau	67,000	66,000	1040	1060	69,795
McHenry	68,000	68,000	1180	1180	80,088
Pierce	61,000	61,000	1010	1010	61,853
Rolette	38,000	38,000	1080	1080	41,040
North Central	330,000	329,000	1040	1040	342,310
Cavalier	37,000	37,000	1130	1130	41,840
Grand Forks	66,000	63,000	1090	1140	71,820
Nelson	70,000	67,000	1060	1110	74,520
Pembina	12,500	12,000	1100	1150	13,788
Ramsey	93,000	92,000	1050	1060	97,877
Towner	43,000	42,500	1120	1130	47,984
Walsh	38,500	38,500	1130	1130	43,502
Northeast	360,000	352,000	1090	1110	391,331
Dunn	5,000	5,000	1100	1100	5,503
McKenzie	3,500	3,500	830	830	2,905
McLean	95,000	94,000	1090	1100	103,542
Mercer	7,000	7,000	900	900	6,300
Oliver	4,500	4,500	1110	1110	4,995
West Central	115,000	114,000	1070	1080	123,245
Eddy	54,000	54,000	1220	1220	65,880
Foster	80,000	78,000	1050	1080	84,272
Kidder	18,000	17,500	880	900	15,810
Sheridan	53,000	52,500	1080	1090	57,231
Stutsman	190,000	186,500	940	960	178,951
Wells	140,000	136,500	1060	1080	147,986
Central	535,000	525,000	1030	1050	550,130
Barnes	130,000	128,500	960	970	124,730
Cass	54,000	53,500	1180	1190	63,669
Griggs	50,000	49,500	1020	1030	51,001
Steele	38,000	38,000	1110	1110	42,184
Traill	8,000	8,000	1230	1230	9,836
East Central	280,000	277,500	1040	1050	291,420
Adams	16,000	16,000	1160	1160	18,560
Billings	2,000	2,000	1000	1000	2,005
Bowman	6,000	6,000	890	890	5,340
Golden Valley	2,000	2,000	1000	1000	2,005
Hettinger	56,000	56,000	1190	1190	66,714
Slope	6,000	5,600	980	1050	5,880
Stark	10,000	9,900	990	1000	9,900
Southwest	98,000	97,500	1130	1130	110,404
Burleigh	30,000	29,500	950	970	28,612
Emmons	9,000	9,000	870	870	7,830
Grant	26,000	25,500	1080	1110	28,207
Morton	19,000	17,000	850	950	16,141
Sioux	3,000	3,000	850	850	2,550
South Central	87,000	84,000	960	990	83,340
Dickey	78,000	77,000	870	880	67,585
LaMoure	105,000	104,000	930	940	97,991
Logan	16,000	16,000	950	950	15,200
McIntosh	23,000	23,000	890	890	20,470
Ransom	45,000	45,000	940	940	42,213
Richland	32,000	31,000	1080	1110	34,425
Sargent	51,000	50,000	950	970	48,596
Southeast	350,000	346,000	930	940	326,480
STATE	2,345,000	2,314,000	1030	1043	2,413,400

ALL SUNFLOWER, 1983 - Production by Counties,
(Rank of First Ten Counties Shown)



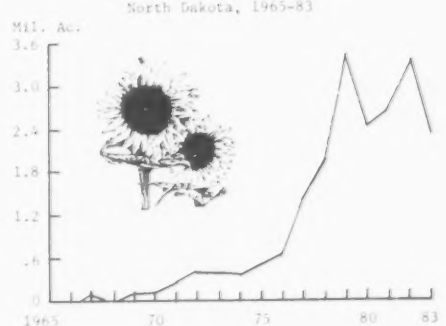
Under 20.0 mil. lbs. | 60.0 - 99.9 mil. lbs.
20.0 - 59.9 mil. lbs. | 100.0 mil lbs. & over

ALL SUNFLOWER, 1983 - Yield per Harvested Acre
(Pounds)



Under 1050 lbs. | 1050 lbs. & over

ALL SUNFLOWER PLANTED ACRES
North Dakota, 1965-83



SUNFLOWER, ALL: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

District and County	1982					5-Yr. Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	24,000	24,000	790	790	19,059	14,400	13,800	870	910	11,768
Divide	30,000	30,000	920	920	27,494	16,300	16,100	1060	1080	16,388
Mountrail	33,000	31,000	1130	1200	37,315	17,200	16,600	1010	1040	17,748
Renville	36,000	35,000	1030	1060	37,105	25,300	25,000	1080	1100	26,714
Ward	112,000	111,000	1000	1010	112,091	75,700	74,700	1080	1090	78,630
Williams	20,000	19,000	810	850	16,186	14,100	13,600	850	900	12,121
Northwest	255,000	250,000	980	1000	249,250	163,000	159,800	1030	1050	163,370
Benson	152,000	150,000	1050	1070	160,331	99,000	95,700	1140	1180	111,692
Bottineau	132,000	131,000	980	990	129,428	94,100	92,300	990	1010	93,551
McHenry	104,000	102,000	1050	1070	108,834	55,600	54,900	1300	1180	64,583
Pierce	85,000	84,000	1110	1120	94,080	45,300	42,700	1410	1490	52,368
Rolette	47,000	47,000	1100	1100	51,653	27,200	26,600	1130	1150	31,234
North Central	520,000	514,000	1050	1060	544,326	321,300	312,200	1110	1140	353,428
Cavalier	57,000	56,000	840	860	48,096	50,500	48,100	1160	1210	59,722
Grand Forks	99,000	98,000	1160	1170	114,464	121,000	119,800	1150	1160	141,192
Nelson	90,000	89,000	1110	1120	99,502	75,700	74,800	1120	1130	85,192
Pembina	38,000	37,000	1090	1120	41,551	67,300	65,400	1220	1250	86,350
Ramsey	121,000	119,000	1070	1090	129,833	84,800	83,100	1150	1170	97,743
Towner	63,000	63,000	1070	1070	67,284	43,100	42,000	1160	1190	50,486
Walsh	61,000	60,000	990	1010	60,420	68,800	66,800	1120	1160	78,905
Northeast	529,000	522,000	1060	1080	561,150	511,100	499,900	1160	1180	599,590
Dunn	5,000	5,000	920	920	4,585	4,700	4,500	850	880	4,123
McKenzie	6,000	6,000	870	870	5,244	3,800	3,700	990	1020	3,717
McLean	107,000	103,000	1160	1210	124,524	44,700	43,500	1340	1360	56,740
Mercer	9,000	9,000	910	910	8,190	4,000	3,900	970	990	3,806
Oliver	5,000	5,000	1090	1090	5,425	2,400	2,400	1010	1040	2,549
West Central	132,000	128,000	1120	1160	147,968	59,500	58,000	1210	1240	70,935
Eddy	71,000	70,000	1120	1140	79,660	57,400	54,200	1060	1120	60,709
Foster	103,000	101,000	1240	1270	128,169	89,300	83,800	1100	1180	100,055
Kidder	34,000	34,000	880	880	29,988	15,700	15,500	1070	1090	16,264
Sheridan	66,000	64,000	1040	1070	68,416	31,600	30,900	1080	1090	33,697
Stutsman	241,000	237,000	1170	1190	281,553	203,600	200,000	1180	1200	242,448
Wells	192,000	188,000	1090	1120	209,620	138,800	130,400	1130	1210	158,657
Central	707,000	694,000	1130	1150	797,406	536,400	514,800	1130	1180	611,830
Barnes	181,000	179,000	1270	1280	229,298	161,800	158,800	1260	1290	205,847
Cass	120,000	119,000	1200	1210	143,633	188,100	186,200	1290	1300	250,303
Griggs	67,000	66,000	1180	1200	79,266	62,000	60,100	1160	1190	72,634
Steele	66,000	65,000	1230	1250	81,250	66,600	65,700	1340	1350	89,971
Traill	38,000	38,000	1160	1160	44,232	63,500	62,800	1340	1350	87,831
East Central	472,000	467,000	1220	1240	577,679	542,000	533,600	1290	1300	706,586
Adams	20,000	19,000	1030	1080	20,501	12,800	12,200	850	890	11,081
Billings	3,000	3,000	890	890	2,679	2,300	2,300	890	900	1,996
Bowman	7,000	7,000	780	780	5,488	4,600	4,500	800	820	3,727
Golden Valley	5,000	5,000	950	950	4,740	2,500	2,400	1070	1080	2,485
Hettinger	70,000	69,000	1040	1060	72,934	46,500	44,600	930	950	42,549
Slope	7,000	7,000	1120	1120	7,805	5,200	5,200	980	980	5,238
Stark	11,000	11,000	770	770	8,426	6,700	6,700	970	980	6,262
Southwest	123,000	121,000	1000	1010	122,573	80,500	77,900	920	940	73,338
Burleigh	47,000	45,000	1080	1120	50,623	20,800	19,900	900	940	20,035
Emmons	29,000	28,000	870	900	25,201	12,200	12,000	960	970	11,533
Grant	33,000	32,500	980	990	32,273	21,400	21,100	950	960	20,520
Morton	29,000	28,500	860	880	24,995	10,700	10,600	920	930	9,544
Sioux	4,000	4,000	680	680	2,700	2,800	2,800	820	820	2,172
South Central	142,000	138,000	960	980	135,792	67,900	66,300	930	940	63,803
Dickey	117,000	116,000	1070	1080	124,816	84,900	83,800	1180	1200	97,748
LaMoure	137,000	135,000	1180	1200	162,136	103,900	102,900	1230	1240	127,745
Logan	24,000	24,000	840	840	20,256	12,100	12,000	990	1000	11,232
McIntosh	33,000	33,000	890	890	29,370	21,500	21,200	990	1000	21,309
Ransom	66,000	65,000	1210	1230	79,885	66,300	65,100	1350	1380	90,137
Richland	71,000	70,000	1210	1230	86,170	127,300	124,600	1250	1270	162,430
Sargent	72,000	71,000	900	910	64,623	68,300	67,600	1180	1190	81,017
Southeast	520,000	514,000	1090	1100	567,456	484,300	477,100	1220	1230	591,618
STATE	3,400,000	3,348,000	1090	1106	3,703,600	2,766,000	2,699,800	1170	1190	3,234,498

1/ Totals may not add due to rounding.

SUNFLOWER, OIL AND NON-OIL: Acreage, Yield and Production by Counties, North Dakota, 1983 (Preliminary)

District and County	Oil					Non-Oil				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	19,300	19,200	830	830	15,936	1,200	1,200	850	850	1,020
Divide	23,200	23,000	640	650	14,950	200	200	700	700	140
Mountrail	26,400	26,300	1100	1100	28,930	100	100	1130	1130	113
Renville	25,000	25,000	1180	1180	29,500	---	---	---	---	---
Ward	79,600	79,100	1150	1160	91,429	1,900	1,900	1220	1220	2,317
Williams	13,000	12,900	790	800	10,320	100	100	850	850	85
Northwest	186,500	185,500	1020	1030	191,065	3,500	3,500	1050	1050	3,675
Benson	88,600	88,600	930	930	82,398	7,400	7,400	960	960	7,136
Bottineau	62,500	61,500	1030	1050	64,575	4,500	4,500	1160	1160	5,220
McHenry	67,600	67,600	1180	1180	79,664	400	400	1060	1060	424
Pierce	58,300	58,300	1010	1010	58,883	2,700	2,700	1100	1100	2,970
Rolette	38,000	38,000	1080	1080	41,040	---	---	---	---	---
North Central	315,000	314,000	1040	1040	326,560	15,000	15,000	1050	1050	15,750
Cavalier	35,500	35,500	1130	1130	40,115	1,500	1,500	1150	1150	1,725
Grand Forks	63,300	60,300	1090	1140	68,742	2,700	2,700	1140	1140	3,078
Nelson	61,800	58,800	1050	1100	64,680	8,200	8,200	1200	1200	9,840
Pembina	12,200	11,700	1100	1150	13,455	300	300	1110	1110	333
Ramsey	82,900	82,100	1050	1060	87,026	10,100	9,900	1070	1100	10,851
Towner	39,500	39,100	1120	1130	44,346	3,500	3,400	1040	1070	3,638
Walsh	38,300	38,300	1130	1130	43,274	200	200	1140	1140	228
Northeast	333,500	325,800	1080	1110	361,638	26,500	26,200	1120	1130	29,693
Dunn	4,900	4,900	1100	1100	5,390	100	100	1130	1130	113
McKenzie	3,500	3,500	830	830	2,905	---	---	---	---	---
McLean	92,600	91,600	1090	1100	100,830	2,400	2,400	1130	1130	2,712
Mercer	7,000	7,000	900	900	6,300	---	---	---	---	---
Oliver	4,500	4,500	1110	1110	4,995	---	---	---	---	---
West Central	112,500	111,500	1070	1080	120,420	2,500	2,500	1130	1130	2,825
Eddy	42,000	42,000	1240	1240	52,080	12,000	12,000	1150	1150	13,800
Foster	68,000	66,400	1040	1070	71,048	12,000	11,600	1100	1140	13,224
Kidder	17,700	17,200	870	900	15,480	300	300	1100	1100	330
Sheridan	52,400	51,900	1080	1090	56,571	600	600	1100	1100	660
Stutsman	180,400	177,100	930	950	168,245	9,600	9,400	1120	1140	10,706
Wells	132,500	129,100	1050	1080	139,624	7,500	7,400	1110	1130	8,362
Central	493,000	483,700	1020	1040	503,048	42,000	41,300	1120	1140	47,082
Barnes	128,100	126,600	960	970	122,818	1,900	1,900	1010	1010	1,912
Cass	53,600	53,100	1180	1190	63,189	400	400	1200	1200	480
Griggs	48,400	47,900	1020	1030	49,337	1,600	1,600	1040	1040	1,664
Steele	37,800	37,800	1110	1110	41,958	200	200	1130	1130	226
Traill	7,600	7,600	1230	1230	9,348	400	400	1220	1220	488
East Central	275,500	273,000	1040	1050	286,650	4,500	4,500	1060	1060	4,770
Adams	16,000	16,000	1160	1160	18,560	---	---	---	---	---
Billings	1,900	1,900	1000	1000	1,900	100	100	1050	1050	105
Bowman	6,000	6,000	890	890	5,340	---	---	---	---	---
Golden Valley	1,900	1,900	1000	1000	1,900	100	100	1050	1050	105
Hettinger	55,200	55,200	1190	1190	65,764	800	800	1190	1190	950
Slope	6,000	5,600	980	1050	5,880	---	---	---	---	---
Stark	10,000	9,900	990	1000	9,900	---	---	---	---	---
Southwest	97,000	96,500	1130	1130	109,244	1,000	1,000	1160	1160	1,160
Burleigh	29,700	29,200	950	970	28,324	300	300	960	960	288
Emmons	9,000	9,000	870	870	7,830	---	---	---	---	---
Grant	22,700	22,200	1090	1110	24,706	3,300	3,300	1060	1060	3,501
Morton	18,100	16,100	850	950	15,295	900	900	940	940	846
Sioux	3,000	3,000	850	850	2,550	---	---	---	---	---
South Central	82,500	79,500	950	990	78,705	4,500	4,500	1030	1030	4,635
Dickey	72,600	71,600	860	870	62,292	5,400	5,400	980	980	5,293
LaMoure	102,900	101,900	930	940	95,786	2,100	2,100	1050	1050	2,205
Logan	16,000	16,000	950	950	15,200	---	---	---	---	---
McIntosh	23,000	23,000	890	890	20,470	---	---	---	---	---
Ransom	41,700	41,700	930	930	38,781	3,300	3,300	1040	1040	3,432
Richland	30,500	29,500	1070	1110	32,745	1,500	1,500	1120	1120	1,680
Sargent	47,800	46,800	950	970	45,396	3,200	3,200	1000	1000	3,200
Southeast	334,500	330,500	930	940	310,670	15,500	15,500	1020	1020	15,810
STATE	2,230,000	2,200,000	1030	1040	2,288,000	115,000	114,000	1090	1100	125,400

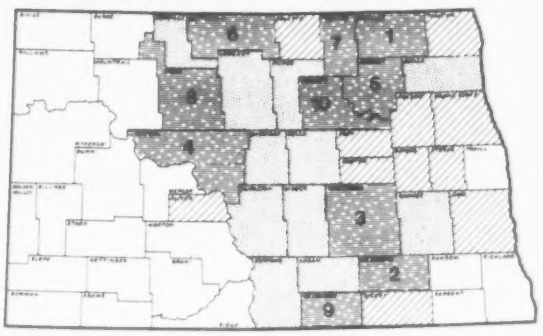
SUNFLOWER, OIL AND NON-OIL: Acreage, Yield and Production by Counties, North Dakota, 1982 (Revised)

District and County	Oil					Non-Oil				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(000 Lbs.)
Burke	23,500	23,500	790	790	18,499	500	500	1120	1120	560
Divide	27,000	27,000	900	900	24,344	3,000	3,000	1050	1050	3,150
Mountrail	33,000	31,000	1130	1200	37,315	---	---	---	---	---
Renville	36,000	35,000	1030	1060	37,105	---	---	---	---	---
Ward	105,500	104,500	1000	1010	105,201	6,500	6,500	1060	1060	6,890
Williams	20,000	19,000	810	850	16,186	---	---	---	---	---
Northwest	245,000	240,000	970	990	238,650	10,000	10,000	1060	1060	10,600
Benson	143,000	141,000	1030	1050	147,641	9,000	9,000	1410	1410	12,690
Bottineau	124,000	123,000	980	980	121,028	8,000	8,000	1050	1050	8,400
McHenry	101,000	99,000	1050	1070	105,654	3,000	3,000	1060	1060	3,180
Pierce	83,000	82,000	1100	1120	91,500	2,000	2,000	1290	1290	2,580
Rolette	44,000	44,000	1100	1100	48,503	3,000	3,000	1050	1050	3,150
North Central	495,000	489,000	1040	1050	514,326	25,000	25,000	1200	1200	30,000
Cavalier	54,000	53,000	840	860	45,546	3,000	3,000	850	850	2,550
Grand Forks	91,000	90,000	1150	1160	104,304	8,000	8,000	1270	1270	10,160
Nelson	88,000	87,000	1100	1110	97,002	2,000	2,000	1250	1250	2,500
Pembina	37,000	36,000	1090	1120	40,471	1,000	1,000	1080	1080	1,080
Ramsey	111,000	109,300	1060	1070	117,413	10,000	9,700	1240	1280	12,420
Towner	61,000	61,000	1070	1070	65,384	2,000	2,000	950	950	1,900
Walsh	59,000	58,000	990	1010	58,620	2,000	2,000	900	900	1,800
Northeast	501,000	494,300	1060	1070	528,740	28,000	27,700	1160	1170	32,410
Dunn	5,000	5,000	920	920	4,585	---	---	---	---	---
McKenzie	5,000	5,000	750	750	3,744	1,000	1,000	1500	1500	1,500
McLean	104,000	100,200	1160	1210	120,744	3,000	2,800	1260	1350	3,780
Mercer	9,000	9,000	910	910	8,190	---	---	---	---	---
Oliver	5,000	5,000	1090	1090	5,425	---	---	---	---	---
West Central	128,000	124,200	1110	1150	142,688	4,000	3,800	1320	1390	5,280
Eddy	52,000	51,000	1100	1120	57,280	19,000	19,000	1180	1180	22,380
Foster	81,000	79,500	1240	1270	100,629	22,000	21,500	1250	1280	27,540
Kidder	34,000	34,000	880	880	29,988	---	---	---	---	---
Sheridan	64,000	62,000	1030	1070	66,206	2,000	2,000	1110	1110	2,210
Stutsman	221,000	217,500	1170	1190	258,753	20,000	19,500	1140	1170	22,800
Wells	169,000	165,500	1080	1100	182,230	23,000	22,500	1190	1220	27,390
Central	621,000	609,500	1120	1140	695,086	86,000	84,500	1190	1210	102,320
Barnes	170,000	168,000	1270	1280	215,218	11,000	11,000	1280	1280	14,080
Cass	119,000	118,000	1200	1210	142,333	1,000	1,000	1300	1300	1,300
Griggs	62,000	61,000	1180	1200	72,966	5,000	5,000	1260	1260	6,300
Steele	62,000	61,000	1220	1240	75,930	4,000	4,000	1330	1330	5,320
Traill	34,000	34,000	1150	1150	39,232	4,000	4,000	1250	1250	5,000
East Central	447,000	442,000	1220	1230	545,679	25,000	25,000	1280	1280	32,000
Adams	19,700	18,700	1030	1080	20,231	300	300	900	900	270
Billings	3,000	3,000	890	890	2,679	---	---	---	---	---
Bowman	7,000	7,000	780	780	5,488	---	---	---	---	---
Golden Valley	4,800	4,800	940	940	4,530	200	200	1050	1050	210
Hettinger	68,500	67,500	1040	1060	71,314	1,500	1,500	1080	1080	1,620
Slope	7,000	7,000	1120	1120	7,805	---	---	---	---	---
Stark	11,000	11,000	770	770	8,426	---	---	---	---	---
Southwest	121,000	119,000	1000	1010	120,473	2,000	2,000	1050	1050	2,100
Burleigh	46,500	44,500	1080	1130	50,063	500	500	1120	1120	560
Emmons	29,000	28,000	870	900	25,301	---	---	---	---	---
Grant	31,000	30,500	980	990	30,253	2,000	2,000	1010	1010	2,020
Morton	28,500	28,000	860	880	24,545	500	500	900	900	450
Sioux	4,000	4,000	680	680	2,700	---	---	---	---	---
South Central	139,000	135,000	960	980	132,762	3,000	3,000	1010	1010	3,030
Dickey	109,000	108,000	1060	1070	115,536	8,000	8,000	1160	1160	9,280
LaMoure	132,000	130,000	1180	1200	155,986	5,000	5,000	1230	1230	6,150
Logan	24,000	24,000	840	840	20,256	---	---	---	---	---
McIntosh	33,000	33,000	890	890	29,370	---	---	---	---	---
Ransom	59,000	58,000	1200	1220	70,995	7,000	7,000	1270	1270	8,890
Richland	68,000	67,000	1210	1230	82,510	3,000	3,000	1220	1220	3,660
Sargent	68,000	67,000	900	910	60,943	4,000	4,000	970	970	3,880
Southeast	493,000	487,000	1090	1100	535,596	27,000	27,000	1180	1180	31,860
STATE	3,190,000	3,140,000	1080	1100	3,454,000	210,000	208,000	1190	1200	249,600

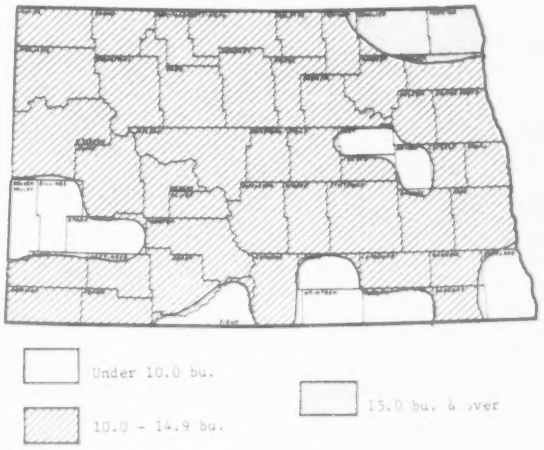
FLAXSEED: Acreage, Yield and Production by Counties, North Dakota, 1983 (Preliminary)

District and County	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	3,000	2,900	9.7	10.0	29,000
Divide	900	900	11.0	11.0	9,900
Mountrail	3,600	3,500	10.7	11.0	38,500
Renville	10,000	9,900	12.9	13.0	128,700
Ward	17,500	17,400	12.0	12.1	210,000
Williams	1,000	900	9.9	11.0	9,900
Northwest	36,000	35,500	11.8	12.0	426,000
Benson	16,500	16,400	11.9	12.0	196,800
Bottineau	20,000	19,600	11.1	11.3	221,400
McHenry	12,000	11,600	11.1	11.5	133,400
Pierce	14,000	13,900	10.9	11.0	152,900
Rolette	5,500	5,500	12.0	12.0	66,000
North Central	68,000	67,000	11.3	11.5	770,500
Cavalier	27,000	26,500	14.7	15.0	397,500
Grand Forks	5,500	5,200	9.0	9.5	49,400
Nelson	10,500	9,400	9.0	10.0	94,000
Pembina	5,000	4,700	15.0	16.0	75,200
Ramsey	17,000	16,500	13.6	14.0	231,000
Towner	16,500	16,300	13.0	13.1	214,000
Walsh	10,500	10,400	13.4	13.5	140,400
Northeast	92,000	89,000	13.1	13.5	1,201,500
Dunn	1,200	1,200	10.0	10.0	12,000
McKenzie	300	300	11.0	11.0	3,300
McLean	24,000	23,500	10.4	10.6	249,300
Mercer	4,000	3,900	9.8	10.0	39,000
Oliver	3,500	3,400	11.7	12.0	40,800
West Central	33,000	32,300	10.4	10.7	344,400
Eddy	5,100	5,000	7.8	8.0	40,000
Foster	5,300	4,500	9.3	11.0	49,500
Kidder	10,600	10,400	10.3	10.5	108,800
Sheridan	14,000	13,800	11.8	12.0	165,600
Stutsman	23,000	22,700	10.9	11.0	249,700
Wells	14,000	13,600	11.2	11.5	156,400
Central	72,000	70,000	10.7	11.0	770,000
Barnes	15,000	14,500	11.8	12.2	177,400
Cass	5,500	5,200	13.2	14.0	72,800
Griggs	5,600	5,400	9.2	9.5	51,300
Steele	4,300	4,300	11.0	11.0	47,300
Traill	1,600	1,600	14.5	14.5	23,200
East Central	32,000	31,000	11.6	12.0	372,000
Adams	2,100	2,000	10.5	11.0	22,000
Billings	300	300	9.0	9.0	2,700
Bowman	1,800	1,800	11.5	11.5	20,700
Golden Valley	200	200	7.0	7.0	1,400
Hettinger	3,500	3,500	11.3	11.3	39,400
Slope	1,700	1,700	10.0	10.0	17,000
Stark	2,400	2,300	8.6	9.0	20,700
Southwest	12,000	11,800	10.3	10.5	123,900
Burleigh	14,500	14,300	10.6	10.8	154,200
Emmons	16,000	15,800	9.9	10.0	158,000
Grant	1,800	1,700	10.4	11.0	18,700
Morton	2,500	2,400	12.5	13.0	31,200
Sioux	1,200	1,200	8.0	8.0	9,600
South Central	36,000	35,400	10.3	10.5	371,700
Dickey	5,300	5,200	8.8	9.0	46,800
LaMoure	22,500	22,000	11.2	11.5	253,000
Logan	12,000	11,900	8.9	8.9	106,500
McIntosh	22,000	21,900	9.0	9.0	197,100
Ransom	3,200	3,000	11.7	12.5	37,500
Richland	1,800	1,800	9.5	9.5	17,100
Sargent	2,200	2,200	10.0	10.0	22,000
Southeast	69,000	68,000	9.9	10.0	680,000
STATE	450,000	440,000	11.2	11.5	5,060,000

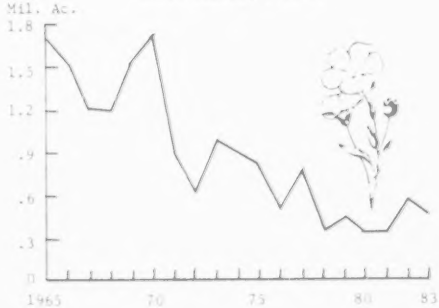
FLAXSEED, 1983 - Production by Counties
(Rank of First Ten Counties Shown)



FLAXSEED, 1983 - Yield per Harvested Acre
(Bushels)



FLAXSEED PLANTED ACRES
North Dakota, 1965-83



FLAXSEED: Acreage, Yield and Production by Counties,
North Dakota, 1982 (Revised) and 5-Year Average, 1978-82

District and County	1982					5-Year Average, 1978-82 1/				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
Burke	2,000	1,900	11.3	11.9	22,600	2,600	2,500	8.5	9.5	23,200
Divide	1,200	1,100	11.1	12.1	13,300	1,200	1,200	12.1	12.3	15,000
Mountrail	1,500	1,400	13.3	14.2	19,900	1,400	1,300	10.5	10.7	14,000
Renville	5,800	5,700	10.0	10.2	58,000	8,100	7,600	9.3	9.9	77,600
Ward	13,500	13,400	14.5	14.6	195,400	15,000	13,700	10.9	12.0	166,100
Williams	1,000	1,000	12.2	12.2	12,200	600	500	10.2	11.0	6,300
Northwest	25,000	24,500	12.9	13.1	321,400	28,800	26,800	10.2	11.1	302,200
Benson	17,500	17,000	14.1	14.5	246,900	12,100	11,300	12.6	13.6	156,000
Bottineau	25,000	24,500	12.6	12.8	313,900	27,600	25,600	10.8	11.7	295,700
McHenry	12,000	11,500	12.9	13.4	154,400	13,400	12,700	10.4	11.0	139,000
Pierce	17,500	17,000	14.3	14.7	250,700	15,200	14,800	11.4	11.8	175,400
Rolette	6,000	6,000	12.9	12.9	77,500	4,900	4,700	11.7	12.6	57,800
North Central	78,000	76,000	13.4	13.7	1,043,400	73,200	69,200	11.2	11.9	824,000
Cavalier	25,000	24,000	20.7	21.5	516,600	12,100	11,600	16.2	16.9	213,000
Grand Forks	7,000	5,700	13.2	16.3	92,700	6,000	5,200	12.8	14.7	77,400
Nelson	18,000	14,500	11.0	13.6	197,600	12,400	11,400	12.4	13.3	151,500
Pembina	5,000	3,800	14.2	18.7	71,100	3,800	3,300	13.3	15.0	50,000
Ramsey	26,000	22,000	14.2	16.8	369,100	13,800	12,400	14.2	15.6	199,200
Towner	16,000	14,000	16.7	19.1	267,600	9,400	8,400	14.5	16.4	143,700
Walsh	13,000	11,000	9.8	11.6	127,500	8,600	7,700	13.4	14.6	110,600
Northeast	110,000	95,000	14.9	17.3	1,642,200	66,000	60,000	14.0	15.3	945,400
Dunn	1,000	900	15.2	16.9	15,200	500	500	9.0	9.9	5,900
McKenzie	500	400	10.8	13.5	5,400	300	300	8.1	9.8	3,100
McLean	21,500	21,400	13.3	13.4	285,800	14,300	13,600	11.5	12.3	169,800
Mercer	2,500	2,400	11.[illegible]	11.8	28,300	1,800	1,800	9.6	9.7	17,400
Oliver	4,500	4,400	13.[illegible]	13.9	61,300	3,700	3,400	10.6	11.3	39,700
West Central	30,000	29,500	13.2	13.4	396,000	20,700	19,500	11.1	11.8	235,800
Eddy	5,200	5,000	14.0	14.5	72,700	4,900	4,800	11.3	11.5	55,100
Foster	5,300	5,000	15.2	16.1	80,300	4,000	3,600	12.7	14.1	51,400
Kidder	13,000	12,500	12.6	13.1	163,300	8,900	8,100	9.6	10.3	89,300
Sheridan	12,500	11,500	10.5	11.4	131,000	8,700	8,400	9.8	10.1	86,600
Stutsman	25,500	25,000	14.1	14.3	358,500	16,000	14,800	12.9	13.8	209,000
Wells	12,500	12,000	16.4	17.1	205,000	10,700	9,700	11.3	12.7	125,100
Central	74,000	71,000	13.7	14.2	1,010,800	53,200	49,400	11.3	12.2	616,400
Barnes	15,500	15,300	17.0	17.2	263,600	13,800	13,300	13.7	14.2	191,500
Cass	8,800	8,700	19.7	20.0	173,600	7,900	7,700	16.8	17.2	134,800
Griggs	7,400	7,300	13.0	13.1	95,900	6,900	6,800	11.6	11.8	80,400
Steele	3,700	3,600	12.5	12.8	46,200	5,100	4,900	12.8	13.3	65,500
Traill	1,600	1,600	16.1	16.1	25,800	3,500	3,500	13.3	13.4	46,900
East Central	37,000	36,500	16.4	16.6	605,100	37,300	36,300	13.8	14.2	519,200
Adams	1,500	1,400	12.8	13.7	19,200	1,000	900	8.5	9.0	8,900
Billings	100	100	15.0	15.0	1,500	400	300	9.2	9.6	2,400
Bowman	1,300	1,200	11.1	12.0	14,400	600	600	8.6	9.3	6,600
Golden Valley	200	200	13.5	13.5	2,700	100	100	8.9	11.1	1,200
Hettinger	2,800	2,700	13.6	14.1	38,100	1,900	1,800	9.4	9.8	19,200
Slope	700	600	13.6	15.8	9,500	300	300	8.4	11.0	3,400
Stark	1,400	1,300	13.0	14.0	18,200	500	500	9.6	10.2	5,900
Southwest	8,000	7,500	13.0	13.8	103,600	4,800	4,400	9.0	9.6	47,600
Burleigh	16,500	16,000	11.2	11.5	184,400	9,000	8,200	9.4	10.4	87,500
Emmons	21,000	20,800	9.7	9.8	204,100	17,200	15,700	8.5	9.1	157,600
Grant	2,400	2,300	8.0	8.3	19,200	1,300	1,200	7.6	8.0	10,900
Morton	2,300	2,200	11.3	11.8	25,900	1,200	1,100	10.4	11.2	12,600
Sioux	800	700	7.9	9.0	6,300	500	400	6.7	8.0	3,600
South Central	43,000	42,000	10.2	10.5	439,900	29,200	26,600	8.9	9.7	272,000
Dickey	10,000	9,700	10.1	10.4	100,700	12,100	11,700	10.1	10.5	123,600
LaMoure	23,500	23,000	18.0	18.4	423,500	18,300	17,800	14.2	14.5	260,600
Logan	17,000	16,500	11.1	11.4	187,900	15,000	14,200	10.1	10.5	149,200
McIntosh	34,500	34,000	8.2	8.4	284,200	34,600	32,700	8.1	8.4	275,300
Ransom	3,100	3,000	11.0	11.4	34,200	4,700	4,500	12.1	12.4	59,000
Richland	3,000	2,900	9.9	10.3	29,800	4,500	4,300	13.3	13.7	60,700
Sargent	3,900	3,900	7.0	7.0	27,300	5,600	5,500	12.3	12.7	69,900
Southeast	95,000	93,000	11.4	11.7	1,087,600	94,800	90,800	10.6	11.0	998,400
STATE	500,000	475,000	13.3	14.0	6,650,000	408,000	383,000	11.5	12.2	4,761,000

1/ Totals may not add due to rounding.

CORN: Total Acreage Planted and Harvested; Acreage, Yield and Production for Grain and Silage and Acreage Used for Forage by Counties, North Dakota, 1983 (Preliminary) 1/

District and County	All Corn		Corn for Grain			Corn for Silage			Corn For Forage
	Planted	Harvested	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production	
	(Acres)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)	(Acres)
Burke	900	900	---	--	---	900	5.1	4,600	---
Divide	600	600	200	25.0	5,000	300	15.3	2,600	100
Mountrail	1,800	1,700	100	25.0	2,500	1,600	6.1	9,800	---
Renville	1,600	1,600	400	33.0	13,200	1,200	6.1	7,300	---
Ward	4,300	4,300	1,300	58.0	75,400	3,000	7.2	21,700	---
Williams	1,300	1,300	300	40.0	12,000	1,000	9.6	9,600	---
Northwest	10,500	10,400	2,300	47.0	108,100	8,000	7.2	57,600	100
Benson	10,500	10,200	5,000	44.5	222,400	5,100	6.3	32,100	100
Bottineau	1,800	1,700	1,300	50.0	65,000	400	8.3	3,300	---
McHenry	11,000	11,000	4,000	45.7	180,000	6,900	6.9	47,600	100
Pierce	6,000	5,900	4,700	42.0	197,400	1,200	5.7	6,800	---
Rolette	1,700	1,700	600	49.0	29,400	1,100	7.9	8,700	---
North Central	31,000	30,500	15,600	44.5	694,200	14,700	6.7	98,500	200
Cavalier	1,000	1,000	800	41.0	32,800	100	9.0	900	100
Grand Forks	18,000	15,600	13,500	61.0	823,700	2,100	6.3	13,200	---
Nelson	5,000	4,600	2,600	60.0	156,000	2,000	10.1	20,200	---
Pembina	10,500	9,600	8,000	59.0	472,000	1,600	13.2	21,100	---
Ramsey	1,900	1,800	1,300	46.0	59,800	500	6.2	3,100	---
Towner	1,300	1,300	800	36.0	28,800	500	8.2	4,100	---
Walsh	9,300	9,300	7,100	57.0	404,700	2,100	9.2	19,300	100
Northeast	47,000	43,600	34,100	58.0	1,977,800	8,900	9.2	81,900	200
Dunn	12,500	12,500	1,800	36.0	65,000	10,200	5.3	54,300	700
McKenzie	2,400	2,400	700	58.0	40,600	1,400	15.4	21,600	100
McLean	12,500	12,500	8,000	47.0	376,000	4,300	7.2	31,000	200
Mercer	9,400	9,400	1,600	52.0	83,200	7,100	6.2	44,000	600
Oliver	9,200	9,200	3,900	51.9	202,500	4,600	10.4	47,800	700
West Central	46,000	45,900	16,000	49.5	767,800	27,600	7.2	198,700	2,300
Eddy	7,200	7,200	4,100	65.0	258,800	3,700	6.2	22,900	---
Foster	7,100	7,100	2,600	64.1	166,600	4,500	4.7	21,200	---
Kidder	12,500	12,400	9,200	33.6	297,600	8,900	7.5	66,800	300
Sheridan	4,600	4,500	300	42.0	12,600	4,000	7.2	27,800	300
Stutsman	26,000	25,100	11,100	44.0	488,400	14,000	6.4	89,300	---
Wells	14,000	13,600	9,100	43.0	233,100	4,500	7.2	32,400	---
Central	72,000	70,800	36,400	48.2	1,778,400	39,600	6.4	253,600	600
Barnes	18,500	18,500	12,100	57.8	699,500	6,300	5.7	35,900	100
Cass	57,000	56,900	42,200	55.6	2,345,200	4,500	8.2	36,900	200
Griggs	4,400	4,400	1,600	70.0	112,000	2,600	7.9	20,500	200
Steele	3,900	3,900	2,100	29.0	60,900	800	9.3	7,400	---
Traill	7,200	7,100	5,300	86.0	455,800	1,600	5.2	8,300	---
East Central	93,000	92,800	63,300	73.3	3,673,400	15,800	6.9	109,000	500
Adams	7,900	7,900	1,800	40.0	72,000	4,100	5.2	21,300	2,000
Billings	1,300	1,300	---	---	---	900	4.6	4,100	400
Bowman	3,400	3,300	300	35.0	10,500	2,700	4.7	12,700	300
Golden Valley	1,000	900	200	47.5	19,000	200	10.0	2,000	300
Hettinger	12,500	12,200	4,700	43.1	418,500	2,400	5.2	12,500	300
Slope	2,600	2,600	---	---	---	2,200	5.6	12,300	100
Stark	15,000	15,000	3,600	40.0	132,000	11,300	4.7	51,700	200
Southwest	43,300	43,100	10,600	44.1	672,000	23,800	5.0	117,500	3,600
Burleigh	13,500	13,400	3,800	40.0	147,800	9,500	6.6	62,700	300
Emmons	25,000	24,900	4,800	45.0	264,000	19,800	5.3	104,900	800
Grant	23,500	23,300	8,400	51.1	429,600	14,100	5.1	71,900	600
Morton	30,500	28,700	7,200	50.5	363,600	20,900	6.1	127,600	400
Sioux	4,500	4,500	500	44.0	22,000	3,600	5.6	20,200	400
South Central	97,000	94,800	24,500	50.0	1,225,000	67,900	5.7	387,200	2,400
Dickey	39,000	38,700	27,500	59.0	1,622,500	11,100	5.7	63,300	100
LaMoure	29,000	27,900	18,500	51.0	943,500	9,400	5.1	47,700	400
Logan	10,500	10,500	4,000	45.0	180,000	6,500	5.1	32,100	200
McIntosh	9,000	9,000	3,000	41.0	123,000	6,000	5.2	31,200	---
Ransom	42,500	41,600	31,500	75.0	2,362,500	10,000	6.4	64,000	100
Richland	115,000	114,800	107,700	85.4	9,198,600	6,900	8.7	60,000	200
Sargent	35,000	34,700	27,900	67.0	1,869,300	6,700	7.3	48,900	100
Southeast	280,000	277,200	220,100	74.1	16,299,400	56,000	6.2	347,200	1,100
STATE	720,000	708,000	435,000	67.0	29,145,000	262,300	6.3	1,651,000	11,000

1/ See page 67 for irrigated acres.

CORN: Total Acreage Planted and Harvested; Acreage, Yield and Production for Grain and Silage; and Acreage Used for Forage by Counties, North Dakota, 1982 (Revised) 1/

District and County	All Corn		Corn for Grain			Corn for Silage			Corn For Forage
	Planted	Harvested	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production	
	(Acres)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)	(Acres)
Burke	1,500	1,500	---	---	---	1,500	5.8	8,700	---
Divide	500	400	100	40.0	4,000	300	9.7	2,900	---
Mountrail	3,500	3,400	1,000	50.0	50,000	2,200	5.8	12,700	200
Renville	2,000	1,900	400	45.0	18,000	1,400	7.6	10,700	100
Ward	6,000	5,900	3,500	45.3	158,600	2,400	5.8	14,000	---
Williams	1,500	1,400	500	50.0	25,000	900	16.7	15,000	---
Northwest	15,000	14,500	5,500	48.4	255,600	8,700	7.4	64,000	300
Benson	9,000	8,900	5,100	66.5	339,000	3,600	6.9	24,900	200
Bottineau	3,000	3,000	800	35.0	28,000	2,200	7.2	15,900	---
McHenry	11,500	11,200	4,300	50.4	216,800	6,800	8.5	57,800	100
Pierce	6,500	6,400	1,300	45.8	59,600	5,100	10.2	51,900	---
Rolette	2,000	2,000	500	60.0	30,000	1,500	9.8	14,700	---
North Central	32,000	31,500	12,000	56.1	673,400	19,200	8.6	165,200	300
Cavalier	1,000	900	800	70.0	56,000	100	6.0	600	---
Grand Forks	23,600	22,900	20,500	65.9	1,350,500	2,300	6.1	14,000	100
Nelson	5,000	4,900	3,600	46.7	168,000	1,300	9.0	11,700	---
Pembina	15,500	15,400	13,000	51.0	663,000	2,300	10.1	23,200	100
Ramsey	1,500	1,400	1,000	58.0	58,000	400	4.8	1,900	---
Towner	1,500	1,500	1,100	40.0	44,000	400	7.8	3,100	---
Walsh	10,500	10,400	7,000	48.0	336,000	3,300	7.3	24,100	100
Northeast	58,700	57,400	47,000	56.8	2,667,500	10,100	7.8	78,600	300
Dunn	17,000	16,700	500	50.0	25,000	15,800	5.3	84,200	400
McKenzie	3,000	2,900	500	50.0	25,000	2,100	15.9	33,400	300
McLean	9,000	8,700	3,500	61.4	214,900	5,000	8.6	43,000	200
Mercer	13,500	13,300	3,800	57.7	219,400	9,200	5.4	49,400	300
Oliver	17,500	17,400	2,700	50.0	135,000	13,900	8.1	112,100	800
West Central	60,000	59,000	11,000	56.3	619,300	46,000	7.0	322,100	2,000
Eddy	7,000	6,900	2,500	49.8	123,600	4,000	7.7	30,600	200
Foster	9,500	9,200	3,800	49.7	189,200	5,600	6.8	38,000	---
Kidder	19,000	18,900	6,100	91.3	557,000	12,600	7.0	88,500	200
Sheridan	4,000	3,900	1,600	50.6	81,000	2,200	5.9	13,000	100
Stutsman	26,000	25,400	8,600	55.2	286,100	17,100	6.7	115,300	---
Wells	11,500	11,000	7,000	44.0	308,000	3,800	7.4	28,300	200
Central	77,000	75,300	30,000	58.2	1,744,900	45,300	6.9	313,700	700
Barnes	22,000	21,900	15,000	53.5	802,400	6,200	5.1	31,900	700
Cass	81,000	80,900	76,000	69.4	5,275,600	4,700	7.7	36,000	200
Griggs	7,000	6,900	2,500	52.5	131,300	4,300	6.4	27,700	100
Steele	8,000	7,900	7,500	84.2	631,600	200	9.3	3,700	---
Traill	8,500	7,900	7,000	91.1	638,000	900	10.2	9,200	---
East Central	126,000	125,500	108,000	69.2	7,478,900	16,300	6.6	108,500	1,000
Adams	9,000	8,800	400	60.0	24,000	8,100	4.9	39,900	400
Billings	1,300	1,200	---	---	---	1,100	3.2	3,500	100
Bowman	2,500	2,400	---	---	---	2,300	4.3	9,800	100
Golden Valley	1,500	1,400	500	45.0	22,500	800	8.1	6,500	100
Hettinger	4,500	4,400	600	50.0	30,000	3,400	3.2	11,000	400
Slope	2,200	2,100	---	---	---	2,000	6.5	13,000	100
Stark	11,000	10,800	1,500	35.0	52,500	9,000	5.6	50,100	300
Southwest	32,000	31,200	3,000	43.0	129,000	26,700	5.0	133,800	1,500
Burleigh	17,000	16,800	4,000	55.0	220,000	12,100	6.1	74,000	700
Emmons	30,000	29,400	3,000	76.0	228,000	25,300	4.6	117,400	1,100
Grant	25,000	24,300	2,500	55.1	137,700	20,700	6.2	127,900	1,100
Morton	33,000	32,600	4,000	52.2	208,800	27,600	6.2	172,100	1,000
Sioux	5,000	4,400	---	---	---	4,300	4.2	17,900	100
South Central	110,000	107,500	13,500	58.9	794,500	90,000	5.7	509,300	4,000
Dickey	31,000	30,500	28,500	73.1	2,082,300	21,200	4.4	93,000	800
LaMoure	32,000	31,900	23,000	61.6	1,417,500	8,900	7.7	68,800	--
Logan	13,000	12,900	1,000	54.0	54,000	11,600	4.3	49,400	300
McIntosh	10,000	9,900	500	35.0	17,500	9,000	4.1	36,800	400
Ransom	62,000	61,200	52,000	80.8	4,201,500	9,100	8.7	78,800	100
Richland	166,000	165,200	155,000	75.3	11,663,800	10,000	7.0	70,200	200
Sargent	46,000	45,800	30,000	52.0	1,560,500	15,700	4.2	65,800	100
Southeast	380,000	377,400	290,000	72.4	20,997,100	85,500	5.4	462,800	1,900
STATE	890,000	880,000	520,000	68.0	35,360,000	348,000	6.2	2,158,000	12,000

1/ See page 67 for irrigated acres.

HAY: Acreage, Yield and Production of Alfalfa, All Other and All Hay by Counties, North Dakota 1983 (Preliminary)

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	10,000	1.40	14,000	27,000	1.40	37,800	37,000	1.40	51,800
Divide	14,000	1.35	18,900	18,000	1.55	27,900	32,000	1.45	46,800
Mountrail	31,000	1.30	40,700	62,000	1.15	70,600	93,000	1.20	111,300
Renville	10,000	1.45	14,500	11,000	1.40	15,400	21,000	1.40	29,900
Ward	36,000	1.70	61,200	39,000	1.50	58,500	75,000	1.60	119,700
Williams	29,000	1.80	52,200	18,000	1.10	19,800	47,000	1.55	72,000
Northwest	130,000	1.55	201,500	175,000	1.30	230,000	305,000	1.40	431,500
Benson	14,000	1.80	34,200	48,000	1.35	64,800	67,000	1.50	99,000
Bottineau	25,000	1.60	40,000	38,000	1.30	49,400	63,000	1.40	89,400
McHenry	70,000	1.65	115,500	131,000	1.05	140,300	201,000	1.25	255,800
Pierce	20,000	1.80	36,000	45,000	1.30	58,500	65,000	1.45	94,500
Rolette	31,000	1.75	54,800	28,000	1.25	35,000	59,000	1.50	89,800
North Central	165,000	1.70	280,500	290,000	1.20	348,000	455,000	1.40	628,500
Cavalier	1,600	1.50	2,400	11,500	1.70	19,700	13,100	1.70	22,100
Grand Forks	11,000	2.10	23,100	9,000	1.30	11,700	20,000	1.75	34,800
Nelson	9,000	1.80	16,200	16,500	1.40	23,100	25,500	1.55	39,300
Pembina	5,500	2.40	13,200	7,000	1.30	9,100	12,500	1.80	22,300
Ramsey	3,200	2.00	6,400	13,000	1.20	15,600	16,200	1.35	22,000
Towner	2,300	1.55	3,600	13,000	1.60	20,800	15,300	1.60	24,400
Walsh	7,400	1.50	11,100	20,000	1.30	26,000	27,400	1.35	37,100
Northeast	40,000	1.90	76,000	90,000	1.40	126,000	130,000	1.55	202,000
Dunn	115,000	1.70	195,500	48,500	1.00	48,500	163,500	1.50	244,000
McKenzie	54,000	1.75	94,500	40,500	1.15	47,000	94,500	1.50	141,500
McLean	25,000	2.30	57,400	58,000	1.40	81,200	83,000	1.65	138,600
Mercer	31,000	2.10	65,100	25,000	1.60	40,000	56,000	1.90	105,100
Oliver	25,000	2.00	50,000	23,000	1.60	36,800	48,000	1.80	86,800
West Central	250,000	1.85	462,500	195,000	1.30	253,500	445,000	1.60	716,000
Eddy	23,000	1.60	36,800	24,000	1.10	26,400	47,000	1.35	63,200
Foster	13,000	1.70	22,100	12,000	1.10	13,200	25,000	1.40	35,300
Kidder	105,000	1.45	153,400	64,000	1.05	67,200	169,000	1.30	220,600
Sheridan	13,000	1.60	20,800	30,000	1.20	43,200	43,000	1.30	64,000
Stutsman	60,000	1.90	114,000	45,000	1.25	57,000	105,000	1.65	171,000
Wells	11,000	1.90	20,900	34,000	1.50	51,000	45,000	1.60	71,900
Central	225,000	1.65	368,000	215,000	1.20	258,000	440,000	1.40	626,000
Barnes	17,000	2.40	40,800	20,000	1.70	33,800	37,000	2.00	74,600
Cass	17,000	2.90	49,300	8,000	1.55	12,400	25,000	2.43	61,700
Griggs	18,000	1.90	34,500	16,000	1.25	20,000	34,000	1.60	54,500
Steele	3,600	3.00	10,800	6,000	1.80	10,800	9,600	2.25	21,600
Traill	4,400	4.00	17,600	5,000	2.20	11,000	9,400	3.05	28,600
East Central	60,000	2.55	153,000	55,000	1.60	88,000	115,000	2.10	241,000
Adams	47,000	1.70	79,900	22,000	1.40	30,800	69,000	1.60	110,700
Billings	38,000	1.40	53,200	25,000	1.25	31,400	63,000	1.35	84,600
Bowman	36,000	1.70	61,200	25,000	1.40	35,000	61,000	1.60	96,200
Golden Valley	17,500	1.20	21,000	24,000	1.30	31,200	41,500	1.25	52,200
Hettinger	37,000	2.00	74,000	17,000	1.20	20,400	54,000	1.75	94,400
Slope	39,500	1.60	63,200	18,000	1.10	19,800	57,500	1.45	83,000
Stark	65,000	1.90	123,500	34,000	1.35	45,900	99,000	1.70	169,400
Southwest	280,000	1.70	476,000	165,000	1.30	214,500	445,000	1.57	690,500
Burleigh	60,000	1.70	102,000	60,000	1.00	60,000	120,000	1.35	162,000
Emmons	44,000	2.05	90,200	68,000	1.05	71,000	112,000	1.45	161,200
Grant	61,000	1.85	112,300	36,000	1.15	41,400	97,000	1.60	153,700
Morton	75,000	1.90	142,500	60,000	1.50	90,000	135,000	1.70	232,500
Sioux	50,000	1.50	75,000	16,000	.85	13,600	66,000	1.35	88,600
South Central	290,000	1.80	522,000	240,000	1.15	276,000	530,000	1.50	798,000
Dickey	44,000	1.80	79,200	34,000	1.30	44,200	78,000	1.60	123,400
LaMoure	25,000	2.10	52,500	33,000	1.25	41,000	58,000	1.60	93,500
Logan	47,000	1.70	79,900	62,000	1.10	68,200	109,000	1.35	148,100
McIntosh	36,000	1.80	65,000	57,000	1.20	68,400	93,000	1.43	133,400
Ransom	20,000	2.70	54,000	19,000	1.10	20,900	39,000	1.90	74,900
Richland	20,000	3.15	63,000	22,000	1.35	29,700	42,000	2.20	92,700
Sargent	18,000	2.05	36,900	18,000	1.20	21,600	36,000	1.65	58,500
Southeast	210,000	2.05	430,500	245,000	1.20	294,000	455,000	1.60	724,500
STATE	1,650,000	1.80	2,970,000	1,670,000	1.25	2,088,000	3,320,000	1.52	5,058,000

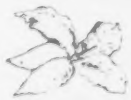
HAY: Acreage, Yield and Production of Alfalfa, All Other and All Hay by Counties, North Dakota, 1982 (Revised)

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production	Acres Harvested	Harv. Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	9,000	1.30	11,700	26,000	1.40	36,400	35,000	1.35	48,000
Divide	13,000	1.60	20,800	20,000	1.55	31,000	33,000	1.55	51,800
Mountrail	35,000	1.95	65,000	60,000	1.70	102,100	93,000	1.80	167,100
Renville	12,000	1.40	16,800	8,000	1.50	12,000	20,000	1.45	28,800
Ward	39,000	1.70	66,300	36,000	1.30	46,800	75,000	1.50	113,100
Williams	34,000	2.10	71,400	20,000	1.30	26,000	54,000	1.80	97,400
Northwest	140,000	1.80	252,000	170,000	1.50	254,200	310,000	1.65	506,200
Benson	25,000	1.60	40,000	36,000	1.30	46,800	61,000	1.40	86,800
Bottineau	36,000	1.70	61,200	26,000	1.95	50,700	62,000	1.80	111,900
McHenry	60,000	1.90	114,000	134,000	1.35	181,000	194,000	1.50	295,000
Pierce	21,000	1.75	36,800	41,000	1.30	53,400	62,000	1.45	90,200
Rolette	28,000	2.21	63,000	23,000	1.35	31,100	51,000	1.85	94,100
North Central	170,000	1.81	315,000	260,000	1.40	363,000	430,000	1.60	678,000
Cavalier	4,000	2.50	10,000	8,000	2.00	16,000	12,000	2.15	26,000
Grand Forks	17,000	2.60	44,200	8,000	1.30	10,400	25,000	2.20	54,600
Nelson	12,000	1.95	23,400	20,000	1.45	29,000	32,000	1.65	52,400
Pembina	6,000	2.35	14,100	6,000	1.25	7,500	12,000	1.80	21,600
Ramsey	5,000	2.60	13,000	10,000	2.10	21,000	15,000	2.25	34,000
Towner	3,000	2.50	7,500	13,000	1.55	20,100	16,000	1.73	27,600
Walsh	8,000	2.85	22,800	15,000	1.60	24,000	23,000	2.05	46,800
Northeast	55,000	2.45	135,000	80,000	1.60	128,000	135,000	1.95	263,000
Dunn	105,000	1.96	205,200	44,000	1.20	52,800	152,000	1.70	258,000
McKenzie	63,000	1.95	122,900	31,000	1.65	51,200	87,000	1.85	160,300
McLean	32,000	2.30	73,600	46,000	1.75	80,500	78,000	2.00	154,100
Mercer	20,000	2.15	43,000	24,000	1.80	43,200	50,000	1.95	97,800
Oliver	25,000	2.50	62,500	22,000	1.75	43,800	53,000	2.15	113,800
West Central	245,000	2.05	502,200	175,000	1.60	271,500	420,000	1.85	784,000
Eddy	25,000	1.68	42,000	15,000	1.10	16,500	40,000	1.55	62,800
Foster	20,000	2.20	44,000	13,000	1.15	15,000	33,000	1.90	63,000
Kidder	105,000	1.63	171,100	69,000	1.15	79,600	187,000	1.35	250,700
Sheridan	15,000	1.53	23,000	27,000	1.35	42,000	41,000	1.40	57,000
Stutsman	57,000	2.05	116,900	38,000	1.60	60,900	91,000	1.85	166,900
Wells	24,000	2.04	49,000	24,000	1.35	32,500	38,000	1.75	66,100
Central	246,000	1.75	429,000	186,000	1.30	246,500	430,000	1.55	666,500
Barnes	36,000	2.10	57,600	22,000	1.50	32,900	58,000	1.85	90,500
Cass	44,000	2.20	97,600	12,000	1.35	16,200	56,000	2.10	54,000
Griggs	14,000	2.45	34,300	22,000	1.25	27,500	37,000	1.75	64,200
Steele	4,000	2.25	9,000	8,000	1.40	11,200	12,000	1.75	21,100
Traill	16,000	2.35	37,600	6,000	1.70	10,200	12,000	2.60	31,200
East Central	114,000	2.29	261,000	70,000	1.40	98,000	184,000	1.96	241,000
Adams	40,000	2.20	88,000	32,000	1.50	48,100	77,000	1.80	138,100
Billings	30,000	2.60	77,000	23,000	1.55	35,700	58,000	1.95	112,700
Bowman	43,000	2.20	94,600	26,000	1.55	40,300	69,000	1.95	134,900
Golden Valley	17,000	1.53	25,900	23,000	1.25	28,700	40,000	1.45	57,600
Hettinger	45,000	2.38	76,900	20,000	1.35	27,000	58,000	1.80	103,000
Slope	35,000	1.40	49,500	12,000	1.40	16,800	47,000	1.75	83,300
Stark	55,000	2.20	114,300	44,000	1.65	72,700	99,000	1.95	187,200
Southwest	265,000	2.15	547,300	180,000	1.50	269,300	445,000	1.85	816,800
Burleigh	62,000	1.95	121,200	50,000	1.40	70,000	112,000	1.70	191,200
Emmons	45,000	1.80	81,000	60,000	1.40	83,900	105,000	1.55	164,900
Grant	52,000	2.00	104,000	48,000	1.75	84,000	100,000	1.90	188,000
Morton	71,000	2.55	181,300	60,000	1.80	107,800	131,000	2.20	289,100
Sioux	45,000	1.70	76,500	22,000	1.15	25,300	67,000	1.50	101,800
South Central	275,000	2.05	564,000	240,000	1.55	371,000	515,000	1.80	935,000
Dickey	41,000	1.70	69,700	23,000	1.25	28,700	64,000	1.55	98,400
LaMoure	28,000	2.70	75,600	22,000	1.40	30,800	50,000	2.15	106,400
Logan	45,000	2.30	103,500	53,000	1.35	71,500	98,000	1.80	175,000
McIntosh	44,000	1.65	72,600	43,000	1.45	62,300	87,000	1.55	134,900
Ransom	20,000	2.00	40,000	17,000	1.05	17,900	37,000	1.55	57,900
Richland	17,000	2.55	43,400	17,000	1.15	19,500	34,000	1.85	62,900
Sargent	25,000	1.85	46,200	15,000	1.05	15,800	40,000	1.55	62,000
Southeast	220,000	2.05	451,000	190,000	1.30	246,500	410,000	1.70	697,500
STATE	1,670,000	2.00	3,343,000	1,550,000	1.45	2,248,000	3,220,000	1.74	5,588,000

POTATOES, SOYBEANS, & SUGARBEETS

Acreage, Yield and Production by Counties, North Dakota 1982 (Revised) and 1983 (Preliminary)

County	1982					1983				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Cwt.)	(Cwt.)	(Cwt.)	(Acres)	(Acres)	(Cwt.)	(Cwt.)	(Cwt.)
POTATOES										
Grand Forks	27,500	27,000	155	155	4,201,000	29,500	28,000	150	160	4,475,000
Pembina	28,000	25,500	130	145	3,709,000	33,000	32,000	165	170	5,434,000
Towner	2,700	2,400	145	165	397,000	2,500	2,400	155	160	384,000
Walsh	57,000	53,500	140	150	8,049,000	56,500	55,500	160	165	9,148,000
Traill	5,400	5,300	135	135	718,000	4,700	4,500	165	175	787,000
Other Counties	1,400	1,300	125	135	176,000	1,800	1,600	130	145	232,000
STATE	122,000	115,000	140	150	17,250,000	128,000	124,000	160	165	20,460,000
SOYBEANS										
			(Bu.)	(Bu.)	(Bu.)			(Bu.)	(Bu.)	(Bu.)
Benson	--	--	--	--	--	900	900	13.0	13.0	11,700
Bottineau	--	--	--	--	--	800	800	17.3	17.3	13,800
Cavalier	--	--	--	--	--	400	400	15.0	15.0	6,000
Grand Forks	34,000	33,000	16.8	17.3	571,100	55,000	54,000	24.3	24.7	1,334,200
Nelson	1,600	1,500	12.2	13.0	19,500	2,600	2,600	23.0	23.0	59,800
Pembina	19,000	18,000	15.6	16.5	297,000	36,000	36,000	22.5	22.5	810,000
Ramsey	600	600	12.0	12.0	7,200	1,000	1,000	17.0	17.0	17,000
Towner	800	800	18.5	18.5	14,800	4,000	4,000	15.0	15.0	60,000
Walsh	8,500	8,100	13.3	14.0	113,400	16,000	16,000	24.5	24.5	392,000
Eddy	500	500	10.0	10.0	5,000	600	600	16.0	16.0	9,600
Foster	1,400	1,200	10.0	10.0	12,000	200	200	16.0	16.0	3,200
Kidder	--	--	--	--	--	200	200	16.0	16.0	3,200
Stutsman	1,600	1,400	12.6	14.4	20,200	4,000	4,000	14.0	14.0	56,000
Wells	700	700	12.0	12.0	8,400	6,000	6,000	20.0	20.0	120,000
Barnes	2,500	2,500	18.0	18.0	45,000	5,500	5,500	19.0	19.0	104,500
Cass	140,000	140,000	23.0	23.0	3,219,700	155,000	152,000	29.9	30.5	4,631,000
Griggs	2,500	2,500	15.0	15.0	37,500	4,500	4,500	25.0	25.0	112,500
Steele	13,000	13,000	20.0	20.0	260,000	20,000	20,000	24.5	24.5	490,000
Traill	52,000	50,000	24.0	25.0	1,250,000	65,000	63,000	31.0	32.0	2,016,000
Adams	--	--	--	--	--	200	200	13.0	13.0	2,600
Hettinger	--	--	--	--	--	1,100	1,100	15.4	15.4	16,900
Dickey	3,000	2,900	12.6	13.0	37,700	4,300	4,300	20.0	20.0	86,000
LaMoure	2,800	2,700	13.0	13.5	36,500	5,200	5,200	19.0	19.0	98,800
McIntosh	100	100	13.0	13.0	1,300	--	--	--	--	--
Ransom	7,000	6,900	14.3	14.5	100,100	6,200	6,200	22.0	22.0	136,400
Richland	113,000	108,400	20.1	21.0	2,272,400	140,000	136,000	27.7	28.6	3,882,800
Sargent	4,100	4,000	12.7	13.0	52,000	4,300	4,300	20.0	20.0	86,000
Other Counties	1,500	1,200	12.8	16.0	19,200	1,000	1,000	15.0	15.0	15,000
STATE	410,000	400,000	20.5	21.0	8,400,000	540,000	530,000	27.0	27.5	14,575,000
SUGARBEETS										
			(Tons)	(Tons)	(Tons)			(Tons)	(Tons)	(Tons)
Williams	3,100	3,100	20.1	20.1	62,400	3,500	3,500	17.7	17.7	62,000
Grand Forks	11,600	11,600	16.1	16.3	189,400	10,800	10,600	18.5	18.8	199,300
Pembina	25,100	24,900	17.2	17.3	431,400	25,800	25,800	17.2	17.2	443,800
Walsh	26,400	26,200	17.8	17.9	469,700	26,300	26,300	18.5	18.5	486,600
McKenzie	6,500	6,500	22.6	22.6	147,100	6,900	6,900	20.8	20.8	143,500
Cass	19,300	19,200	14.9	15.0	288,400	17,900	17,800	14.1	14.2	252,800
Steele	300	300	16.0	16.0	4,800	300	300	12.7	12.7	3,800
Traill	27,400	27,300	17.6	17.6	481,300	26,700	26,300	16.2	16.7	439,200
Richland	25,800	25,700	15.6	15.6	401,500	24,900	24,700	15.0	15.1	373,000
STATE	145,700	144,800	17.0	17.1	2,476,000	143,100	142,200	16.8	16.9	2,404,000

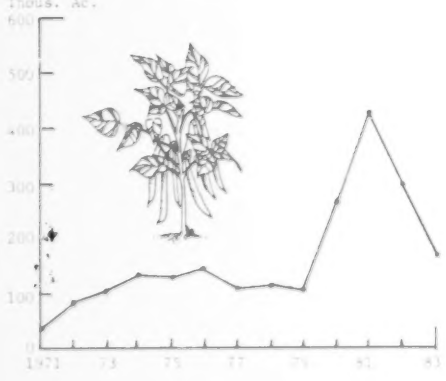


DRY BEANS

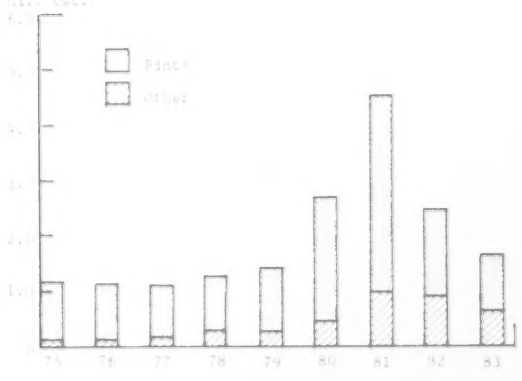
DRY BEANS: Acreage, Yield and Production by Counties, North Dakota, 1982 (Revised) and 1983 (Preliminary)

District and County	1982					1983				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(Cwt.)	(Acres)	(Acres)	(Lbs.)	(Lbs.)	(Cwt.)
Ward	100	100	1250	1250	1,250	--	--	--	--	--
Williams	1,000	900	1850	2050	18,450	500	500	500	500	2,500
Benson	600	600	1200	1200	7,200	--	--	--	--	--
Bottineau	1,000	900	840	930	8,360	100	100	1160	1160	1,160
Pierce	500	500	910	910	4,550	500	400	830	1040	4,160
Rolette	--	--	--	--	--	300	300	1000	1000	3,000
Cavalier	4,000	2,300	690	1200	27,600	2,000	1,800	500	550	9,900
Grand Forks	63,000	56,000	970	1130	610,200	46,500	42,500	920	1000	425,850
Nelson	2,800	2,400	830	970	23,280	1,300	1,200	920	1000	12,000
Pembina	45,000	28,000	450	730	204,050	15,500	14,500	960	1030	149,350
Ramsey	1,700	1,500	710	800	12,000	1,100	1,000	770	850	8,500
Towner	1,300	1,300	820	950	12,350	1,100	1,000	760	840	8,400
Walsh	37,000	34,500	420	800	159,420	20,500	20,000	1000	1030	206,000
McKenzie	1,700	1,300	1300	1500	19,470	400	400	1360	1360	5,440
McLean	1,200	1,200	1100	1100	13,200	100	100	500	500	500
Mercer	300	200	530	800	1,600	700	700	660	660	4,620
Eddy	500	500	1030	1030	5,150	--	--	--	--	--
Foster	800	700	890	1020	7,140	--	--	--	--	--
Kidder	300	200	730	1100	2,200	--	--	--	--	--
Sheridan	300	300	980	980	2,950	300	300	1090	1090	3,270
Stutsman	1,100	1,100	950	950	10,450	--	--	--	--	--
Wells	5,000	4,800	1010	1050	50,390	3,500	3,500	1220	1220	42,710
Barnes	1,500	1,400	680	730	10,260	800	800	690	690	5,520
Cass	38,500	31,500	690	850	266,880	17,000	16,300	1140	1190	193,970
Griggs	6,000	5,600	850	910	50,960	1,700	1,600	650	690	11,040
Steele	26,000	24,000	1090	1180	283,400	15,500	14,900	870	910	135,590
Traill	35,000	32,500	1320	1420	461,500	25,000	22,200	1190	1220	297,680
Bowman	600	600	890	890	5,340	1,000	1,000	890	890	8,900
Hettinger	1,500	1,400	770	830	11,620	800	800	800	800	6,400
Burleigh	200	200	800	800	1,600	300	300	980	980	2,940
Emmons	300	300	1130	1130	3,400	--	--	--	--	--
Dickey	600	600	1200	1200	7,200	1,000	900	1140	1270	11,430
LaMoure	4,100	3,900	880	930	36,270	2,600	2,400	530	570	13,680
Ransom	4,600	4,400	1110	1160	50,940	2,800	2,400	810	880	38,720
Richland	9,300	9,300	1090	1160	107,880	4,500	3,300	650	890	29,370
Sargent	1,700	1,700	1330	1330	22,610	500	500	910	910	4,550
Other Counties	300	300	960	960	2,880	100	100	850	850	850
STATE	300,000	240,000	820	1050	2,520,000	170,300	160,000	970	1030	1,648,000

DRY BEAN PLANTED ACRES
North Dakota, 1971-83



DRY BEAN PRODUCTION
North Dakota, 1975-83



IRRIGATION

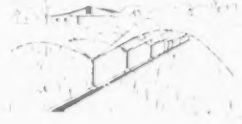
DURUM WHEAT AND SPRING WHEAT OTHER THAN DURUM:
Acreage, Yield and Production on Irrigated Land by Counties, North Dakota, 1982 (Revised) and 1983 (Preliminary)

County	1982					1983				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Pltd.	Harv.				Pltd.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
					DURUM WHEAT					
Divide	800	800	65.0	65.0	52,000	100	100	58.0	58.0	5,800
Williams	1,500	1,500	50.0	50.0	75,000	1,000	1,000	42.0	42.0	42,000
Benson	100	100	45.0	45.0	4,500	400	400	35.0	35.0	14,000
McHenry	--	--	--	--	--	100	100	45.0	45.0	4,500
Grand Forks	--	--	--	--	--	100	100	41.0	41.0	4,100
McKenzie	600	600	60.0	60.0	36,000	1,500	1,500	55.0	55.0	82,500
McLean	600	600	53.0	53.0	31,800	1,100	1,100	47.0	47.0	51,700
Eddy	--	--	--	--	--	100	100	30.0	30.0	3,000
Foster	200	200	50.0	50.0	10,000	200	200	35.0	35.0	7,000
Kidder	400	400	45.0	45.0	18,000	500	500	40.0	40.0	20,000
Stutsman	100	100	50.0	50.0	5,000	--	--	--	--	--
Barnes	500	500	45.0	45.0	22,500	100	100	35.0	35.0	3,500
Cass	600	600	57.0	57.0	34,200	1,800	1,800	45.0	45.0	81,000
Griggs	500	500	48.0	48.0	24,000	900	900	45.0	45.0	40,500
Steele	--	--	--	--	--	200	200	45.0	45.0	9,000
Traill	100	100	55.0	55.0	5,500	--	--	--	--	--
Emmons	--	--	--	--	--	100	100	50.0	50.0	5,000
Dickey	--	--	--	--	--	300	300	33.0	33.0	9,900
LaMoure	600	600	46.0	46.0	27,600	100	100	50.0	50.0	5,000
Ransom	200	200	42.0	42.0	8,400	1,000	1,000	40.0	40.0	40,000
Sargent	200	200	52.0	52.0	10,400	200	200	50.0	50.0	10,000
STATE	7,000	7,000	52.1	52.1	364,900	9,800	9,800	44.7	44.7	438,500
					SPRING WHEAT OTHER THAN DURUM					
Divide	500	500	53.0	53.0	26,500	600	600	58.0	58.0	34,800
Ward	100	100	42.0	42.0	4,200	--	--	--	--	--
Williams	1,300	1,300	50.0	50.0	65,000	700	700	42.0	42.0	29,400
Benson	500	500	45.0	45.0	22,500	700	700	35.0	35.0	24,500
McHenry	--	--	--	--	--	100	100	45.0	45.0	4,500
Grand Forks	500	500	55.0	55.0	27,500	300	300	40.0	40.0	12,000
Nelson	--	--	--	--	--	200	200	40.0	40.0	8,000
McKenzie	4,000	4,000	59.0	59.0	236,000	2,700	2,700	56.0	56.0	151,200
McLean	1,000	1,000	52.0	52.0	52,000	200	200	46.0	46.0	9,200
Mercer	200	200	45.0	45.0	9,000	--	--	--	--	--
Eddy	200	200	50.0	50.0	10,000	400	400	35.0	35.0	14,000
Foster	500	500	45.0	45.0	22,500	600	600	40.0	40.0	24,000
Kidder	100	100	40.0	40.0	4,000	1,400	1,400	48.0	48.0	67,200
Stutsman	100	100	50.0	50.0	5,000	400	400	45.0	45.0	18,000
Barnes	--	--	--	--	--	200	200	35.0	35.0	7,000
Cass	700	700	60.0	60.0	42,000	100	100	40.0	40.0	4,000
Griggs	300	300	40.0	40.0	12,000	200	200	47.0	47.0	9,400
Steele	--	--	--	--	--	200	200	45.0	45.0	9,000
Burleigh	500	500	35.0	35.0	17,500	500	500	33.0	33.0	16,500
Emmons	100	100	30.0	30.0	3,000	1,600	1,600	60.0	60.0	96,000
Grant	100	100	35.0	35.0	3,500	200	200	45.0	45.0	9,000
Dickey	300	300	47.0	47.0	14,100	800	800	35.0	35.0	28,000
LaMoure	400	400	50.0	50.0	20,000	500	500	40.0	40.0	20,000
Logan	--	--	--	--	--	200	200	45.0	45.0	9,000
Ransom	200	200	40.0	40.0	8,000	1,000	1,000	40.0	40.0	40,000
Sargent	--	--	--	--	--	200	200	50.0	50.0	10,000
STATE	11,600	11,600	52.1	52.1	604,300	14,000	14,000	46.8	46.8	654,700

IRRIGATION CONT.

ALL WHEAT AND BARLEY: Acreage, Yield and Production on Irrigated Land by Counties, North Dakota, 1982 (Revised) and 1983 (Preliminary)

County	1982					1983				
	Acres Planted	Acres Harvested	Yield/Acre		Production	Acres Planted	Acres Harvested	Yield/Acre		Production
			Plted.	Harv.				Plted.	Harv.	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)	(Bu.)
					ALL WHEAT					
Divide	1,300	1,300	60.4	60.4	78,500	700	700	58.0	58.0	40,600
Ward	100	100	42.0	42.0	4,200	--	--	--	--	--
Williams	2,800	2,800	50.0	50.0	140,000	1,700	1,700	42.0	42.0	71,400
Benson	600	600	45.0	45.0	27,000	1,100	1,100	35.0	35.0	38,500
McHenry	--	--	--	--	--	200	200	45.0	45.0	9,000
Grand Forks	500	500	55.0	55.0	27,500	400	400	40.3	40.3	16,100
Nelson	--	--	--	--	--	200	200	40.0	40.0	8,000
McKenzie	4,600	4,600	59.1	59.1	272,000	4,200	4,200	55.6	55.6	233,700
McLean	1,600	1,600	52.4	52.4	83,800	1,300	1,300	46.8	46.8	60,900
Mercer	200	200	45.0	45.0	9,000	--	--	--	--	--
Eddy	200	200	50.0	50.0	10,000	500	500	34.0	34.0	17,000
Foster	700	500	46.6	46.6	32,900	800	800	38.8	38.8	31,000
Kidder	500	500	44.0	44.0	22,000	1,400	1,400	45.9	45.9	64,200
Stutsman	200	200	50.0	50.0	10,000	400	400	45.0	45.0	18,000
Barnes	500	500	45.0	45.0	22,500	300	300	35.0	35.0	10,500
Cass	1,300	1,300	58.6	58.6	76,200	1,900	1,900	44.7	44.7	85,000
Griggs	800	800	45.0	45.0	36,000	1,100	1,100	45.4	45.4	49,900
Steele	--	--	--	--	--	400	400	45.0	45.0	18,000
Traill	100	100	50.0	50.0	5,000	--	--	--	--	--
Burleigh	500	500	35.0	35.0	17,500	500	500	38.0	38.0	19,000
Emmons	100	100	60.0	60.0	6,000	1,700	1,700	59.4	59.4	101,000
Grant	100	100	50.0	50.0	5,000	200	200	45.0	45.0	9,000
Dickey	300	300	47.3	47.3	14,200	1,100	1,100	34.5	34.5	37,900
LaMoure	1,000	1,000	47.6	47.6	47,600	600	600	41.7	41.7	25,000
Logan	--	--	--	--	--	200	200	45.0	45.0	9,000
Ransom	400	400	41.3	41.3	16,500	2,000	2,000	40.0	40.0	80,000
Sargent	200	200	50.0	50.0	10,000	500	500	40.0	40.0	20,000
STATE	18,600	18,400	52.1	52.1	960,100	23,800	23,800	45.4	45.4	1,093,200
					BARLEY					
Divide	--	--	--	--	--	200	200	66.0	66.0	13,200
Ward	100	100	50.0	50.0	5,000	--	--	--	--	--
Williams	100	100	53.0	53.0	5,300	200	200	68.0	68.0	13,600
Benson	100	100	50.0	50.0	5,000	200	200	50.0	50.0	10,000
Nelson	--	--	--	--	--	100	100	65.0	65.0	6,500
McKenzie	400	400	74.0	74.0	29,600	600	600	82.0	82.0	49,200
McLean	200	200	85.0	85.0	17,000	300	300	85.0	85.0	25,500
Oliver	100	100	70.0	70.0	7,000	100	100	70.0	70.0	7,000
Eddy	400	400	77.0	77.0	30,800	100	100	50.0	50.0	5,000
Kidder	400	400	67.0	67.0	26,800	200	200	65.0	65.0	13,000
Stutsman	--	--	--	--	--	200	200	54.0	54.0	10,800
Cass	--	--	--	--	--	400	400	70.0	70.0	28,000
Griggs	300	300	68.0	68.0	20,400	300	300	68.0	68.0	20,400
Golden Valley	100	100	75.0	75.0	7,500	200	200	60.0	60.0	12,000
Burleigh	200	200	65.0	65.0	13,000	500	500	60.0	60.0	30,000
Emmons	--	--	--	--	--	100	100	65.0	65.0	6,500
Grant	100	100	40.0	40.0	4,000	100	100	75.0	75.0	7,500
Morton	100	100	40.0	40.0	4,000	--	--	--	--	--
Dickey	500	500	80.0	80.0	40,000	700	700	90.0	90.0	63,000
LaMoure	--	--	--	--	--	100	100	65.0	65.0	6,500
Ransom	200	200	80.0	80.0	16,000	300	300	85.0	85.0	25,500
Sargent	200	200	92.0	92.0	18,400	--	--	--	--	--
STATE	3,500	3,500	73.8	73.8	258,300	4,900	4,900	72.1	72.1	353,200



IRRIGATION CONT.

CORN: Acreage, Yield and Production
on Irrigated Land by Counties, North Dakota, 1982 (Revised) and 1983 (Preliminary)

County	1982			1983		
	Acres Harvested	Yield per Harvested Acre	Production	Acres Harvested	Yield per Harvested Acre	Production
	CORN FOR GRAIN					
	(Acres)	(Bu.)	(Bu.)	(Acres)	(Bu.)	(Bu.)
Ward	400	86.0	34,400	--	--	--
Benson	1,500	82.0	123,000	500	77.0	38,500
McHenry	1,400	72.0	100,800	300	75.0	22,500
Pierce	100	80.0	8,000	--	--	--
Rolette	--	--	--	100	77.0	7,700
Grand Forks	900	85.0	76,500	600	80.0	48,000
Nelson	100	35.0	3,500	100	75.0	7,500
Ramsey	--	--	--	100	70.0	7,000
McKenzie	--	--	--	200	100.0	20,000
McLean	600	102.0	61,200	900	100.0	90,000
Mercer	700	92.0	64,400	100	120.0	12,000
Oliver	--	--	--	100	100.0	10,000
Eddy	300	52.0	15,600	500	94.0	47,000
Foster	1,000	80.0	80,000	700	95.0	66,500
Kidder	4,200	115.0	506,000	2,000	120.0	240,000
Sheridan	200	90.0	18,000	--	--	--
Stutsman	1,500	115.0	172,500	1,200	85.0	102,000
Barnes	400	108.0	43,200	900	100.0	90,000
Cass	5,400	101.0	545,400	4,700	100.0	470,000
Griggs	900	73.0	65,700	700	85.0	59,500
Steele	1,300	90.0	117,000	800	100.0	80,000
Traill	400	110.0	44,000	100	105.0	10,500
Golden Valley	--	--	--	200	60.0	12,000
Burleigh	900	86.0	77,400	200	100.0	20,000
Emmons	1,800	110.0	198,000	1,200	115.0	138,000
Grant	400	87.0	34,800	500	115.0	57,500
Morton	800	81.0	64,800	300	100.0	30,000
Dickey	9,300	131.0	1,218,300	5,600	115.0	644,000
LaMoure	2,700	119.0	321,300	2,000	110.0	220,000
Logan	500	60.0	30,000	600	100.0	60,000
Ransom	12,100	123.0	1,488,300	8,600	115.0	989,000
Richland	700	120.0	84,000	900	100.0	90,000
Sargent	5,500	110.0	605,000	4,800	115.0	552,000
STATE	56,200	110.3	6,201,100	39,500	107.2	4,241,200
	CORN FOR SILAGE					
	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)
Divide	100	17.0	1,700	200	19.0	3,800
Ward	--	--	--	300	18.0	5,400
Williams	500	25.0	12,500	300	15.7	4,700
McHenry	300	20.0	6,000	200	15.0	3,000
Rolette	100	18.0	1,800	100	15.0	1,500
Grand Forks	100	13.0	1,300	100	18.0	1,800
Walsh	100	13.0	1,300	--	--	--
Dunn	100	20.0	2,000	100	18.0	1,800
McKenzie	1,400	20.0	28,000	1,000	18.5	18,500
McLean	1,100	20.5	22,600	300	20.0	6,000
Mercer	800	20.0	16,000	500	19.6	9,800
Oliver	800	20.0	16,000	1,500	21.0	31,500
Foster	500	15.0	7,500	--	--	--
Kidder	700	16.0	11,200	800	15.0	12,000
Sheridan	100	20.0	2,000	--	--	--
Stutsman	500	15.0	7,500	600	13.0	7,800
Barnes	--	--	--	300	15.0	4,500
Cass	200	15.0	3,000	--	--	--
Griggs	500	14.0	7,000	300	18.0	5,400
Steele	100	15.0	1,500	200	18.0	3,600
Golden Valley	300	16.0	4,800	100	16.0	1,600
Stark	100	16.0	1,600	--	--	--
Burleigh	900	17.0	15,300	600	14.0	8,400
Emmons	1,000	13.0	13,000	300	16.0	4,800
Grant	300	13.0	3,900	500	17.6	8,800
Morton	400	17.0	6,800	1,200	16.0	19,200
Sioux	300	12.0	3,600	200	14.0	2,800
Dickey	200	14.0	2,800	--	--	--
LaMoure	100	15.0	1,500	100	18.0	1,800
Logan	400	18.0	7,200	200	18.0	3,600
Ransom	1,700	14.0	23,800	500	18.0	9,000
Sargent	--	--	--	400	16.0	6,400
STATE	13,700	17.0	233,200	10,900	17.2	187,500

SUMMER FALLOW & STORAGE CAPACITY

Land Summer Fallowed by Counties, North Dakota, 1980-83

Commercial Grain Storage Capacity by Counties, North Dakota, January 1, 1984 1/

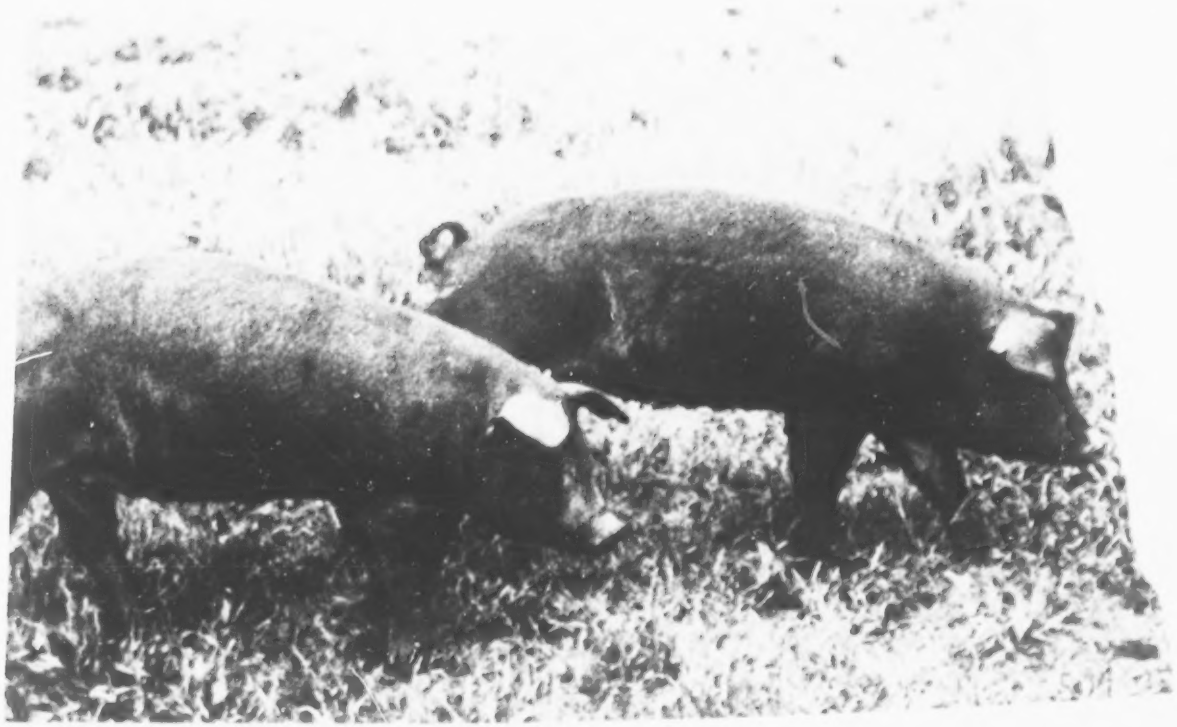
District and County	Total Acres Summer Fallowed				Number of Houses	Capacity
	1980	1981	1982	1983		
	- - - - - - Acres - - - - - -				-No.-	- Bushels -
Burke	185,000	170,000	185,000	165,000	7	907,000
Divide	295,000	235,000	230,000	210,000	8	1,575,000
Mountrail	265,000	250,000	240,000	245,000	12	2,756,000
Renville	170,000	145,000	130,000	160,000	4	1,665,000
Ward	305,000	240,000	230,000	275,000	16	7,324,000
Williams	370,000	320,000	305,000	355,000	17	3,243,000
Northwest	1,590,000	1,360,000	1,320,000	1,410,000	64	17,470,000
Benson	150,000	110,000	90,000	120,000	13	2,824,000
Bottineau	285,000	190,000	210,000	240,000	14	4,568,000
McHenry	165,000	135,000	125,000	145,000	13	6,329,000
Pierce	125,000	90,000	75,000	95,000	4	1,210,000
Rolette	95,000	75,000	70,000	80,000	3	750,000
North Central	820,000	600,000	570,000	680,000	47	15,681,000
Cavalier	160,000	110,000	110,000	125,000	13	2,495,000
Grand Forks	80,000	55,000	60,000	75,000	27	15,769,000
Nelson	105,000	80,000	70,000	85,000	11	3,808,000
Pembina	75,000	50,000	55,000	60,000	16	3,317,000
Ramsey	170,000	135,000	140,000	145,000	22	4,335,000
Towner	105,000	100,000	95,000	120,000	11	2,378,000
Walsh	140,000	70,000	90,000	105,000	18	5,421,000
Northeast	835,000	600,000	620,000	715,000	124	38,313,000
Dunn	110,000	85,000	100,000	120,000	3	822,000
McKenzie	275,000	140,000	190,000	175,000	7	1,423,000
McLean	165,000	200,000	210,000	260,000	11	4,166,000
Mercer	75,000	80,000	75,000	75,000	2	1,310,000
Oliver	80,000	45,000	55,000	50,000	-	-
West Central	705,000	550,000	630,000	680,000	23	7,721,000
Eddy	75,000	55,000	70,000	75,000	3	928,000
Foster	75,000	55,000	65,000	80,000	5	3,839,000
Kidder	85,000	55,000	70,000	75,000	5	1,175,000
Sheridan	125,000	105,000	90,000	85,000	3	930,000
Stutsman	285,000	175,000	190,000	175,000	10	11,200,000
Wells	135,000	90,000	105,000	110,000	14	3,961,000
Central	780,000	535,000	590,000	600,000	40	24,132,000
Barnes	75,000	55,000	60,000	60,000	7	6,911,000
Cass	45,000	30,000	40,000	40,000	23	20,135,000
Griggs	55,000	40,000	45,000	50,000	5	2,240,000
Steele	60,000	45,000	50,000	60,000	1	1,775,000
Traill	80,000	55,000	60,000	70,000	13	5,350,000
East Central	315,000	225,000	255,000	280,000	49	36,397,000
Adams	125,000	115,000	85,000	95,000	3	1,600,000
Billings	30,000	30,000	30,000	30,000	-	-
Bowman	155,000	130,000	120,000	135,000	6	2,235,000
Golden Valley	105,000	85,000	80,000	90,000	4	1,031,000
Hettinger	175,000	140,000	150,000	155,000	4	2,026,000
Slope	115,000	105,000	110,000	115,000	-	-
Stark	175,000	150,000	100,000	175,000	8	4,317,000
Southwest	910,000	810,000	675,000	795,000	25	10,427,000
Burleigh	125,000	95,000	80,000	105,000	3	1,936,000
Emmons	85,000	65,000	50,000	70,000	2	1,366,000
Grant	115,000	90,000	70,000	95,000	3	1,097,000
Morton	125,000	95,000	100,000	110,000	5	1,927,000
Sioux	35,000	20,000	20,000	25,000	2	219,000
South Central	485,000	365,000	320,000	405,000	15	6,194,000
Dickey	120,000	85,000	70,000	90,000	5	3,385,000
LaMoure	85,000	55,000	45,000	70,000	13	3,072,000
Logan	75,000	55,000	50,000	60,000	4	1,366,000
McIntosh	55,000	45,000	40,000	50,000	3	1,119,000
Ransom	95,000	75,000	65,000	80,000	5	2,349,000
Richland	145,000	105,000	95,000	115,000	11	5,870,000
Sargent	70,000	55,000	45,000	60,000	12	1,299,000
Southeast	645,000	475,000	410,000	525,000	53	22,260,000
STATE	6,085,000	5,120,000	5,130,000	5,600,000	550	182,800,000

1/ Not comparable to other years due to inclusion of oilseed storages and processors.

LIVESTOCK

DAIRY

POULTRY



NORTH DAKOTA LIVESTOCK

CATTLE

All cattle and calves totaled 2.14 million head on January 1, 1984, up 2 percent from the previous year and the largest number since the 2.24 million in 1977. All classes of cattle, with the exception of beef cows, showed increases. The number of cattle farms in 1983, at 19,300, was down 1 percent from the previous year while the number of dairy farms was down 2 percent to 3,900 farms.

Value of cattle and calves on hand January 1 was estimated at 898.8 million dollars, up 3 percent. Value per head rose to $420 from $415 in 1983.

HOGS

All hogs and pigs on farms December 1, 1983 totaled 260,000, up 24 percent from 1982. However, this was still the second lowest number of hogs and pigs since December estimates were first made in 1961. The record low was set in 1982. Number of farms with hogs in 1983 was only 2,800, down 7 percent from 1982.

Average value per head, at $64.00, was down 32 percent from 1982. Total value of hogs and pigs was $16.6 million, compared to $19.7 million in December, 1982.

SHEEP

A total of 224,000 sheep and lambs were on farms January 1, 1984, up 1 percent from the previous year but well below 1981-82. Farms with sheep during 1983 were down from 2,200 to 2,100.

The value of the January, 1983 sheep and lamb inventory was $10.9 million compared to $10.4 million a year earlier. Average value per head was $48.50, compared to $47.00 on January 1982.

Wool production dropped 11 percent from 1982. Sheep shorn dropped 7 percent and average fleece weight decreased from 9.5 to 9.1 pounds. Value of wool production dropped 25 percent to total $836,000 in 1983, which resulted because of both lower production and price.

DAIRY & POULTRY

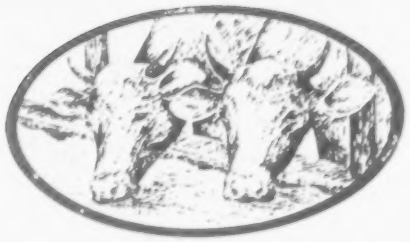
Milk production for 1983 was 1,067 million pounds, up 5 percent from 1982 and continues the upward trend started in 1980. Average milk per cow was 10,670 pounds, down 1 percent from the record high of 10,733 pounds in 1982 and compares with an average of 8,235 a decade earlier. An average 100,000 cows were on farms during 1983, up 5 percent from 1982 and compares with the record low of 93,000 in 1980.

Farm value of the milk produced in 1983 was $133.4 million, up 5 percent from 1982. The average price was $12.50 per hundredweight, unchanged from 1982.

Chicken inventory on December 1, 1983 totaled 625,000, up 23 percent from the previous year. Number of laying age was up 45 percent from December, 1982. Total value of chickens on December 1, 1983 at $1,250,000 was up 36 percent from December 1982. Egg production at 119 million eggs, jumped 17 percent from the previous year.

Number of Livestock Farms by Specie and Number of All Farms, North Dakota, 1974-83

Year	All Cattle	Milk Cows	Hogs	All Sheep	All Farms
	- - - Thousand - - -				
1974	27.0	8.0	6.4	2.6	43.0
1975	26.0	7.0	5.0	2.3	42.0
1976	22.5	6.0	5.1	2.0	41.5
1977	24.2	5.5	5.0	1.9	41.0
1978	22.0	5.1	4.8	1.8	41.0
1979	22.0	4.8	4.5	1.8	40.5
1980	21.0	4.2	4.0	2.1	40.0
1981	20.0	4.2	3.2	2.1	39.0
1982	19.5	4.0	3.0	2.2	38.0
1983	19.3	3.9	2.8	2.1	37.5



Commercial Livestock Slaughter North Dakota, 1979-83

Year	Number	Average Liveweight Per Head	Total Liveweight	Red Meat Production
	(000 Hd.)	(Lbs.)	(000 Lbs.)	(000 Lbs.)
		CATTLE		
1979	97.5	1,122	65,581	NA
1980	134.5	1,051	141,435	NA
1981	165.7	1,060	175,693	NA
1982	135.0	1,071	182,003	NA
1983	109.6	1,063	172,142	NA
		HOGS		
1979	27.2	243	6,645	NA
1980	50.7	234	11,859	NA
1981	57.6	240	13,818	NA
1982	49.3	228	11,214	NA
1983	70.2	219	15,301	NA
		ALL SPECIES		
1979	80.7	NA	72,415	54,966
1980	186.5	NA	153,568	81,215
1981	224.7	NA	189,806	103,220
1982	225.6	NA	193,481	103,127
1983	230.6	NA	187,699	100,742

NA = Not Available.

Livestock Inventory and Value, North Dakota, January 1, 1982-1984

Species	Inventory			Value Per Head			Total Value		
	1982	1983	1984	1982	1983	1984	1982	1983	1984
	- - Thousand Head - -			- - Dollars - -			- - Thousand Dollars - -		
All Cattle	2,000	2,100	2,140	430.00	415.00	420.00	860,000	871,500	898,800
All Hogs 1/	280	210	260	58.50	94.00	64.00	16,380	19,740	16,640
All Sheep	280	222	224	54.50	47.00	48.50	15,260	10,434	10,864
All Chickens 1/	500	510	625	2.20	1.80	2.00	1,100	918	1,250

1/ Relates to December 1 previous year.

CATTLE

Cattle Inventory Numbers, North Dakota, Specified Dates, 1981-84

Class	1981		1982	1983	1984
	January 1	July 1	January 1	January 1	January 1
	- - - - - Thousand Head - - - - -				
ALL CATTLE	1,850	2,420	2,000	2,100	2,140
Cows & Heifers that have calved	1,003	1,092	1,070	1,130	1,110
Beef	910	999	978	1,035	1,011
Milk	93	93	92	95	99
Heifers over 500 lbs.	218	217	233	244	274
Beef Replacement	120	129	130	133	148
Milk Replacement	22	19	21	25	26
Other	76	69	82	86	100
Steers over 500 lbs.	148	123	160	166	193
Bulls over 500 lbs.	46	48	50	50	54
Steers, Heifers & Bulls under 500 lbs.	435	940	487	510	509

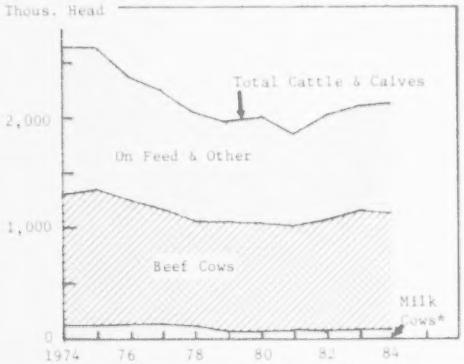
CATTLE: Production, Disposition & Income, North Dakota, 1981-83

Item	Unit	1981	1982	1983
Number on Hand Beginning of Yr.	000 Head	1,850	2,000	2,100
Calves Born	000 Head	1,050	1,070	1,070
Inshipments	000 Head	52	64	71
Marketings:				
Cattle	000 Head	583	612	694
Calves	000 Head	305	322	325
Total	000 Head	888	934	1,019
Farm Slaughter	000 Head	6	6	7
Deaths:				
Cattle	000 Head	18	22	20
Calves	000 Head	40	72	55
Total	000 Head	58	94	75
Number on Hand End of Year	000 Head	2,000	2,100	2,140
Production	000 Lbs.	808,500	802,710	848,810
Marketings	000 Lbs.	709,400	744,940	839,000
Price/100 Lbs.:				
Cattle	Dollars	55.30	52.30	52.90
Calves	Dollars	63.10	60.10	62.80
All Classes	Dollars	56.47	53.44	54.20
Cash Receipts	000 Dols.	400,586	398,105	454,722
Value of Home Consumption	000 Dols.	8,097	6,551	7,148
Gross Income	000 Dols.	408,683	404,656	461,870

HISTORIC CATTLE INVENTORY NUMBERS, North Dakota, January 1, 1975-84

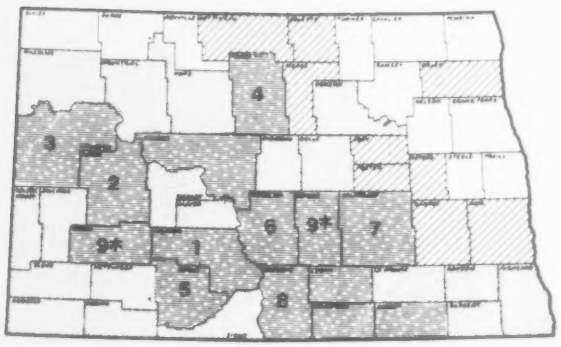
Year	Cows That Have Calved		On Feed	Other	Total Cattle & Calves
	Beef	Dairy			
	- - - Thousand Head - - -				
1975	1,242	116	36	1,241	2,635
1976	1,156	113	36	1,075	2,380
1977	1,065	108	35	1,027	2,235
1978	976	104	33	937	2,050
1979	962	96	34	875	1,967
1980	962	93	39	906	2,000
1981	910	93	37	810	1,850
1982	978	92	36	894	2,000
1983	1,035	95	39	931	2,100
1984	1,011	99	35	995	2,140

CATTLE ON FARMS
North Dakota, January 1, 1974-84



*Includes dairy replacement heifers.

DISTRIBUTION OF ALL CATTLE BY COUNTIES, North Dakota, January 1, 1984



Less than 20,000 head

20,000 - 29,999 head

30,000 - 49,999 head

50,000 head & over

* Denotes tie in rankings.

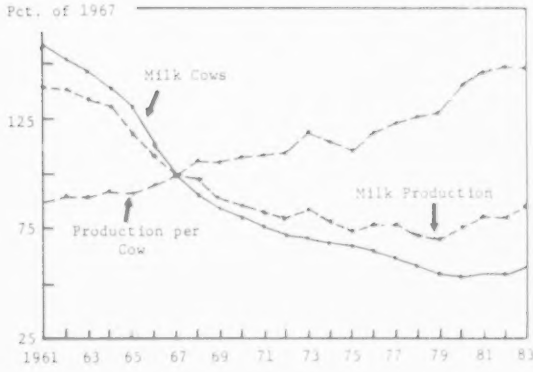
DAIRY

MILK: Production, Disposition & Income, North Dakota, 1982-1983

Item	Unit	1982	1983
Average Number of Milk Cows on Farms	000 Head	95	100
Production of Milk and Milkfat			
a) Per Cow, Milk	Pounds	10,737	10,670
b) Per Cow, Milkfat	Pounds	390	386
c) Percent of fat in Milk	Percent	3.63	3.62
d) Total:			
Milk	Mil.Lbs.	1,020	1,067
Milkfat	Mil.Lbs.	37	39
Milk Used on Farms Where Produced			
a) Fed to Calves	Mil.Lbs.	23	23
b) Used for milk cream & butter	Mil.Lbs.	12	12
c) Total	Mil.Lbs.	35	35
Milk Marketed by Farmers			
Sold to plants and dealers as whole milk 1/	Mil.Lbs.	985	1,032
Percent fluid grade	Percent	47	46
Combined Marketing of Milk and Cream			
a) Milk utilized	Mil.Lbs.	985	1,032
b) Average returns			
1. Per 100 lbs. of milk	Dollars	12.50	12.50
2. Per lb. of milkfat	Dollars	3.44	3.45
c) Cash Receipts from marketing	000 $	123,125	129,000
Used for Milk, Cream and Butter on Farms Where Produced			
a) Milk utilized	Mil.Lbs.	12	12
b) Value	000 $	1,500	1,500
Gross Producer Income 2/	000 $	124,625	130,500
Farm Value of Milk Produced	000 $	127,500	133,375

1/ Includes small amount of farm skimmed cream and milk and cream retailed directly to consumer by producers.
2/ Cash receipts plus value of milk used for home consumption.

Index of Milk Production, Number of Milk Cows and Milk Per Cow North Dakota, 1961-83 (1967=100)



MILK PRODUCTION: Cows Milked, Production Per Cow and Total Production, North Dakota, by Months, 1982-1983

Month	No. of Cows Milked		Production Per Cow		Total Milk Produced	
	1982	1983	1982	1983	1982	1983
	(000 Hd.)		(Lbs.)		(Mil. Lbs.)	
January	94	96	870	860	82	83
February	94	96	810	830	76	80
March	94	98	950	940	89	92
April		101		940		95
May	95	101	3,110	1,030	295	104
June		103		1,030		106
July		103		970		100
August	95	102	2,720	850	258	87
September		102		790		81
October		102		790		81
November	95	102	2,320	760	220	78
December		99		810		80
ANNUAL 1/	95	100	10,737	10,670	1,020	1,067

1/ Average number on farms during year.

MONTHLY AMERICAN CHEESE & BUTTER PRODUCTION North Dakota, 1982-83

Month	American Cheese		Butter	
	1982	1983	1982	1983
	- - - - Thousand Pounds - - - -			
January	3,991	4,038	410	461
February	3,660	3,821	436	397
March	4,363	4,521	501	464
April		4,957		410
May	14,393	5,510	1,406	429
June		5,990		426
July		5,604		409
August	12,991	4,812	1,225	415
September		4,181		358
October		3,971		362
November	10,461	3,830	1,276	475
December		4,318		399
Total	49,859	55,553	5,254	5,005

Source: See table below.

MANUFACTURED DAIRY PRODUCTS PRODUCTION North Dakota, 1982-83

Item	Unit	1982	1983
Butter	000 Lbs.	5,254	5,005
American Cheese	000 Lbs.	49,859	55,553
Cottage Cheese Creamed	000 Lbs.	3,612	3,012
Lowfat Cottage Cheese	000 Lbs.	2,553	3,158
Non-Fat Dry Milk: Human Food	000 Lbs.	8,234	8,421
Dry Buttermilk	000 Lbs.	391	383
Ice Cream	000 Gals.	2,225	2,269
Ice Milk	000 Gals.	900	1,213
Milk Sherbet	000 Gals.	181	172
Ice Cream Mix	000 Gals.	1,098	873
Ice Milk Mix	000 Gals.	400	723
Milk Sherbet Mix	000 Gals.	114	108

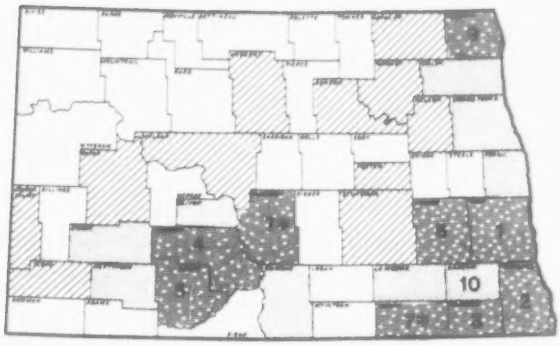
Source: N.D. State Dairy Commissioner and N.D. Crop and Livestock Reporting Service cooperating.

HOGS

Hog and Pig Inventory Numbers, North Dakota, Specified Dates, 1981-1983

Class	1981		1982		1983	
	June 1	December 1	December 1		December 1	
	- - - - - - - Thousand Head - - - - - - -					
ALL HOGS & PIGS	300	280	210		260	
Kept for Breeding	44	40	34		33	
Market	256	240	176		227	
Market Hogs & Pigs by Weight Groups						
Under 60 Lbs.	142	72	58		75	
60-119 Lbs.	56	81	50		63	
120-179 Lbs.	31	58	36		51	
180 Lbs. & Over	27	29	32		38	
	Spring	Fall	Spring	Fall	Spring	Fall
PIG CROP						
Sows Farrowed	33	32	28	23	30	28
Pigs per Litter	7.2	7.4	7.1	7.4	7.7	7.3
Pig Crop	238	237	199	170	231	204

DISTRIBUTION OF ALL HOGS BY COUNTIES,
North Dakota, December 1, 1983



Less than 2,500 head

2,500 - 4,999 head

5,000 - 7,499 head

7,500 head & over

*Denotes tie in rankings.

HOGS: Production, Disposition & Income,
North Dakota, 1981-83

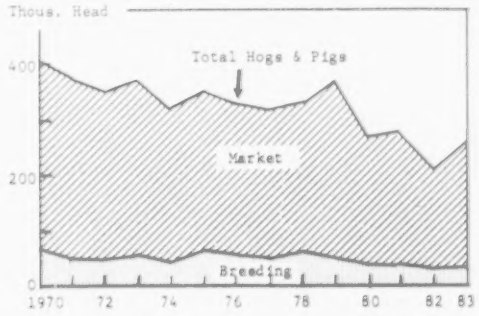
Item	Unit	1981	1982	1983
Number on Hand Beginning of Yr. 1/	000 Head	265	280	210
Pig Crop	000 Head	475	369	435
Inshipments	000 Head	10	16	17
Marketings	000 Head	408	403	365
Farm Slaughter	000 Head	12	7	7
Deaths	000 Head	50	45	30
Number on Hand End of Yr.	000 Head	280	210	260
Production	000 Lbs.	91,425	75,483	81,554
Marketings	000 Lbs.	85,100	80,875	74,345
Price/100 Lbs.	Dollars	40.80	48.60	43.00
Cash Receipts	000 Dols.	35,785	40,680	32,472
Value of Home Consumption	000 Dols.	2,301	1,565	1,385
Gross Income	000 Dols.	38,086	42,245	33,857

1/ December 1 preceding year.

HISTORIC HOG INVENTORY NUMBERS
North Dakota, December 1, 1974-83

Year	Breeding	Market	Total	Year	Breeding	Market	Total
		- - - - Thousand Head - - - -					
1974	45	277	322	1979	56	314	370
1975	61	289	350	1980	40	225	265
1976	59	271	330	1981	40	240	280
1977	54	266	320	1982	34	176	210
1978	61	274	335	1983	33	227	260

HOGS AND PIGS ON FARMS
North Dakota, December 1, 1970-83

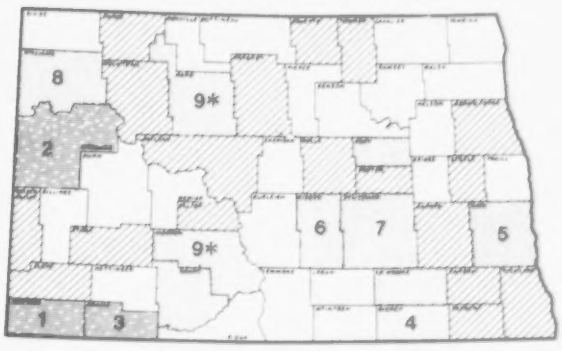


SHEEP

SHEEP INVENTORY NUMBERS
North Dakota, January 1, 1982-84

Class	1982	1983	1984
	- -Thousand Head- -		
All Sheep & Lambs	280	222	224
Number on Feed	50	47	54
Total Stock Sheep	230	175	170
Ewes 1 year plus	165	138	136
Ewe Lambs	46	25	22
Wether & Ram Lambs	12	7	6
Rams & Wether 1 year plus	7	5	6

DISTRIBUTION OF ALL SHEEP BY COUNTIES,
North Dakota, January 1, 1984



Less than 2,500 head

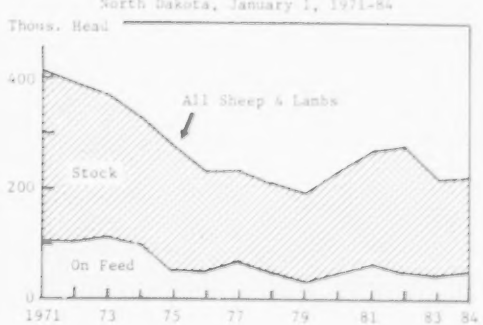
2,500 - 4,999 head

5,000 - 9,999 head

10,000 head & over

* Denotes tie in rankings.

SHEEP AND LAMBS ON FARMS
North Dakota, January 1, 1971-84



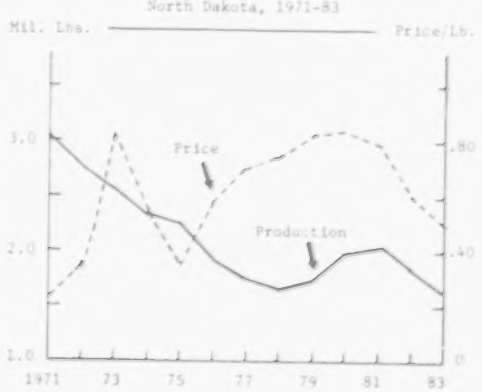
HISTORIC SHEEP INVENTORY NUMBERS
North Dakota, January 1, 1975-84

Year	On Feed	Stock Sheep	Total	Year	On Feed	Stock Sheep	Total
	- - 000 Head - -				- - 000 Head - -		
1975	55	221	276	1980	46	190	236
1976	53	178	231	1981	62	210	272
1977	62	174	236	1982	50	230	280
1978	48	165	213	1983	47	175	222
1979	38	160	198	1984	54	170	224

SHEEP & LAMBS
Production, Disposition & Income,
North Dakota, 1981-83

Item	Unit	1981	1982	1983
Number on Hand Beginning of Yr.	000 Head	272	280	222
Lambs Saved	000 Head	196	190	170
Inshipments	000 Head	13	14	18
Marketings:				
Sheep	000 Head	21	74	20
Lambs	000 Head	139	145	132
Total	000 Head	160	219	152
Farm Slaughter	000 Head	1	1	1
Deaths:				
Sheep	000 Head	20	17	15
Lambs	000 Head	20	25	18
Total	000 Head	40	42	33
Number on Hand End of Year	000 Head	280	222	224
Production	000 Lbs.	16,522	14,871	14,094
Marketings	000 Lbs.	15,742	22,961	14,965
Price/100 Lbs.:				
Sheep	Dollars	16.80	13.80	13.80
Lambs	Dollars	48.90	48.00	50.60
All Classes	Dollars	43.55	34.21	44.44
Cash Receipts	000 Dols.	6,855	7,848	6,642
Value of Home Consumption	000 Dols.	102	100	111
Gross Income	000 Dols.	6,957	7,948	6,753
WOOL				
Sheep Shorn	000 Head	215	193	180
Production	000 Lbs.	2,025	1,840	1,639
Fleece Weight	Pounds	9.4	9.5	9.1
Price/Lb.	Dollars	.79	.61	.51
Value of Production	000 Dols.	1,600	1,122	836

WOOL PRODUCTION AND PRICE,
North Dakota, 1971-83



POULTRY & HONEY

Chicken Inventory by Class,
North Dakota, December 1, 1981-83

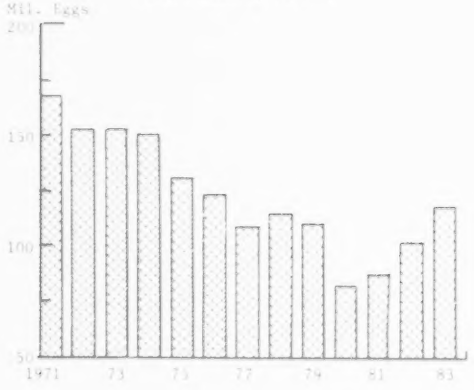
Class	1981	1982	1983
	(Thousand Head)		
ALL CHICKENS	500	510	625
Hens Laying Age	210	241	125
Pullets Laying Age	210	161	458
Other	80	108	42

EGG PRODUCTION: Average Number of Layers and
Total Egg Production by Quarters, North Dakota, 1981-83

Quarter	Average Number of Layers			Eggs Produced		
	1981	1982	1983 1/	1981	1982	1983 1/
	(1000 Layers)			(Mil. Eggs)		
Dec.*-Feb.	373	420	468	20	26	24
Mar.-May	400	423	457	23	27	30
June-Aug.	388	409	520	22	26	32
Sept.-Nov.	403	398	504	23	23	33
Annual	391	413	483	88	102	119

1/ Preliminary. * December preceding year.

EGG PRODUCTION
North Dakota, 1971-83



POULTRY: Production, Disposition & Income,
North Dakota, 1981-83

Item	Unit	1981	1982	1983
CHICKENS				
Raised	000 Birds	1,000	850	770
Lost	000 Birds	200	180	150
Produced	000 Birds	800	670	620
Consumed on Farms	000 Birds	250	200	105
Sold	000 Birds	470	460	400
Lbs. Produced	000 Lbs.	3,269	2,681	2,666
Consumed on Farms	000 Lbs.	950	760	399
Lbs. Sold	000 Lbs.	1,974	1,932	1,680
Price/Lb.	Cents	7.0	6.0	7.0
Cash Receipts	000 Dols.	138	116	118
Value of Chickens Consumed	000 Dols.	67	46	28
Gross Income	000 Dols.	205	162	146
EGGS				
Number of Layers During Year	000 Birds	391	413	483
Eggs per Layer	Number	225	247	246
Eggs Produced	Mil. Eggs	88	102	119
Eggs Consumed on Farms	Mil. Eggs	6	6	6
Eggs Sold	Mil. Eggs	82	96	113
Price/Dozen	Cents	39.0	37.0	53.0
Cash Receipts	000 Dols.	2,665	2,960	4,991
Value of Eggs Consumed on Farms	000 Dols.	195	185	265
Gross Income	000 Dols.	2,860	3,145	5,256
TURKEYS				
Number Raised 1/	000 Head	1,050	930	740
Production	000 Lbs.	19,635	16,740	13,764
Price/Lb.	Cents	36.0	39.0	32.0
Gross Income	000 Dols.	7,069	6,529	4,404

1/ Based on turkeys hatched September 1 to August 31. Excludes young turkeys lost.

Colonies of Bees, Honey and Beeswax Production and Prices, North Dakota, 1977-82

Year	Honey						Beeswax		
	Colonies	Yield Per Colony	Production	Price Per Pound	Total Value	Stocks On Hand	Production	Price Per Pound	Total Value
	(000)	(Lbs.)	(000 Lbs.)	(Dollars)	(000 Dols)	(000 Lbs.)	(000 Lbs.)	(Dollars)	(000 Dols)
1977	136	88	11,968	.490	5,864	1,077	168	1.63	274
1978	160	128	20,480	.471	9,640	2,600	348	1.81	630
1979	190	121	22,830	.519	11,833	3,648	365	1.83	668
1980	220	65	14,300	.528	7,550	2,145	257	1.95	501
1981	265	87	23,055	.550	12,680	5,994	369	1.99	734
1982	------Estimates Discontinued------								

ALL CATTLE

All Cattle Inventory, North Dakota, January 1

MILK COWS

Milk Cow Inventory, North Dakota, January 1

District and County	5-Year Average 1979-83 1/	Number on Farms			5-Year Average 1979-83 1/	Number on Farms		
		1982	1983	1984		1982	1983	1984
	Number of Head							
Burke	15,400	16,000	16,000	17,000	600	600	400	400
Divide	16,000	15,000	17,000	15,000	200	200	200	200
Mountrail	36,000	34,000	40,000	38,000	1,300	1,400	1,300	1,400
Renville	9,400	9,000	10,000	9,000	700	700	600	700
Ward	40,600	40,000	46,000	46,000	2,000	1,600	2,100	2,300
Williams	35,000	30,000	36,000	40,000	500	500	400	500
Northwest	152,400	144,000	165,000	165,000	5,300	5,000	5,000	5,500
Benson	31,800	31,000	37,000	40,000	1,600	1,700	1,600	1,700
Bottineau	22,000	21,000	23,000	26,000	700	600	500	600
McHenry	67,200	65,000	75,000	82,000	2,900	2,900	3,200	3,600
Pierce	28,200	29,000	30,000	29,000	2,500	2,500	2,300	2,100
Rolette	23,200	24,000	25,000	28,000	600	700	600	600
North Central	172,400	170,000	190,000	205,000	8,300	8,400	8,200	8,600
Cavalier	10,200	10,000	10,000	12,000	300	300	300	300
Grand Forks	17,000	15,000	18,000	17,000	1,000	1,000	1,100	1,200
Nelson	16,600	17,000	18,000	18,000	1,000	1,100	1,100	1,300
Pembina	10,600	10,000	11,000	10,000	200	200	200	200
Ramsey	9,000	9,000	9,000	10,000	400	400	400	400
Towner	7,400	9,000	8,000	7,000	300	400	300	300
Walsh	19,800	20,000	21,000	23,000	900	1,000	800	800
Northeast	90,600	90,000	95,000	97,000	4,200	4,400	4,200	4,500
Dunn	90,600	88,000	93,000	101,000	1,800	1,900	1,600	1,500
McKenzie	80,200	82,000	85,000	91,000	400	400	400	500
McLean	48,000	50,000	53,000	60,000	2,300	2,600	2,300	2,600
Mercer	44,800	42,000	48,000	47,000	1,500	1,600	1,400	1,600
Oliver	34,800	36,000	36,000	36,000	2,200	2,200	2,400	2,600
West Central	298,400	300,000	315,000	335,000	8,400	8,700	8,100	8,800
Eddy	21,400	20,000	21,000	23,000	700	600	700	700
Foster	27,000	29,000	25,000	25,000	500	500	400	400
Kidder	73,000	77,000	74,000	70,000	3,100	2,900	3,400	3,800
Sheridan	30,400	31,000	32,000	33,000	1,800	1,700	1,700	1,900
Stutsman	74,000	71,000	77,000	76,000	4,800	4,200	5,200	5,100
Wells	30,200	30,000	31,000	33,000	1,600	1,500	1,700	1,700
Central	256,000	258,000	260,000	258,000	12,500	11,400	13,100	13,600
Barnes	34,400	34,000	34,000	29,000	1,600	1,600	1,500	1,300
Cass	30,000	29,000	32,000	29,000	1,000	1,000	800	800
Griggs	21,400	20,000	24,000	24,000	1,100	1,100	1,200	1,400
Steele	7,000	7,000	7,000	6,000	200	200	200	300
Traill	8,800	8,000	8,000	7,000	600	500	300	300
East Central	101,600	98,000	105,000	95,000	4,500	4,400	4,000	4,100
Adams	32,200	29,000	36,000	32,000	600	500	500	300
Billings	30,600	33,000	31,000	31,000	400	300	400	600
Bowman	32,400	29,000	36,000	38,000	400	400	400	300
Golden Valley	27,000	24,000	30,000	31,000	800	900	1,000	1,100
Hettinger	28,200	29,000	31,000	35,000	2,200	2,000	2,700	2,200
Slope	29,400	26,000	34,000	38,000	700	700	500	500
Stark	58,600	60,000	62,000	70,000	4,700	4,500	4,300	4,400
Southwest	238,400	230,000	260,000	275,000	9,800	9,300	9,800	9,400
Burleigh	68,600	79,000	75,000	77,000	2,500	2,400	2,300	2,100
Emmons	67,200	73,000	73,000	74,000	6,300	6,400	7,300	7,500
Grant	67,800	72,000	75,000	81,000	3,100	4,000	4,600	5,000
Morton	103,400	108,000	109,000	106,000	7,600	7,000	7,400	8,500
Sioux	32,800	33,000	37,000	42,000	1,000	1,000	1,100	1,200
South Central	339,800	365,000	369,000	380,000	21,400	20,800	22,700	24,300
Dickey	62,800	64,000	60,000	56,000	2,300	2,500	2,100	1,800
LaMoure	42,800	44,000	42,000	37,000	3,800	3,700	4,000	3,800
Logan	57,600	66,000	62,000	60,000	3,800	3,800	4,300	4,700
McIntosh	49,200	52,000	53,000	55,000	4,500	4,700	4,500	4,400
Ransom	37,000	36,000	38,000	40,000	1,200	1,200	1,200	1,400
Richland	43,000	43,000	50,000	47,000	2,200	2,000	2,300	2,600
Sargent	41,400	40,000	36,000	35,000	1,600	1,700	1,500	1,500
Southeast	333,800	345,000	341,000	330,000	19,400	19,600	19,900	20,200
STATE	1,983,400	2,000,000	2,100,000	2,140,000	93,800	92,000	95,000	99,000

1/ Totals may not add due to rounding.

HOGS

Hog & Pig Inventory, North Dakota, December 1

District and County	5-Year Average 1978-82 1/	Number on Farms 1981	1982	1983
		Number of Head		
Burke	700	500	400	400
Divide	2,200	1,800	1,400	1,900
Mountrail	1,200	1,200	900	700
Renville	800	800	600	500
Ward	3,300	2,400	2,200	1,900
Williams	1,700	1,500	1,300	1,600
Northwest	9,800	8,000	7,000	7,000
Benson	3,200	2,300	2,100	2,800
Bottineau	1,800	1,100	1,100	1,400
McHenry	4,300	3,400	1,900	2,500
Pierce	900	900	400	500
Rolette	1,800	1,200	1,000	1,300
North Central	12,800	8,900	6,500	8,500
Cavalier	5,000	4,700	3,500	4,800
Grand Forks	9,400	7,300	4,900	6,700
Nelson	3,300	2,800	2,200	2,700
Pembina	8,800	7,300	7,000	9,500
Ramsey	2,100	2,100	2,000	2,700
Towner	1,900	1,600	1,200	2,100
Walsh	6,800	1,200	5,900	6,500
Northeast	32,700	30,800	27,000	35,000
Dunn	3,600	2,600	2,100	2,800
McKenzie	1,800	1,500	1,200	2,100
McLean	4,000	3,800	2,300	3,100
Mercer	2,100	1,700	1,300	1,500
Oliver	5,300	5,500	4,200	3,500
West Central	16,800	15,000	11,200	15,000
Eddy	1,100	1,000	900	800
Foster	3,300	3,300	3,000	2,900
Kidder	3,200	3,100	2,300	1,800
Sheridan	1,500	1,300	1,200	1,700
Stutsman	8,100	7,200	5,500	4,500
Wells	2,400	2,000	2,000	2,300
Central	19,600	18,300	14,900	14,300
Barnes	12,500	13,300	7,800	10,900
Cass	23,000	23,400	18,600	26,400
Griggs	2,600	2,400	1,500	2,200
Steele	1,200	1,200	800	1,000
Traill	5,600	6,800	4,300	5,100
East Central	44,900	47,300	32,800	46,000
Adams	2,200	1,700	1,500	2,000
Billings	400	300	300	400
Bowman	1,800	2,000	1,500	2,000
Golden Valley	2,400	2,200	2,700	3,500
Hettinger	8,100	9,100	5,800	6,400
Slope	3,300	3,200	2,600	3,200
Stark	7,200	6,600	4,100	5,000
Southwest	27,300	27,500	18,500	22,500
Burleigh	9,400	8,400	6,500	10,000
Emmons	7,100	5,200	3,500	6,000
Grant	12,900	12,200	8,700	11,600
Morton	12,000	11,400	8,400	12,600
Sioux	1,700	1,800	1,200	1,800
South Central	42,900	39,000	30,200	42,000
Dickey	16,900	13,800	13,000	10,000
LaMoure	10,200	10,400	8,000	6,500
Logan	2,000	2,200	1,400	1,700
McIntosh	3,500	3,000	1,700	1,300
Ransom	10,800	11,200	8,700	7,300
Richland	26,800	26,500	19,000	26,000
Sargent	15,200	15,700	12,200	17,000
Southeast	85,400	86,000	61,900	70,000
STATE	292,000	280,000	210,000	260,000

1/ Totals may not add due to rounding.

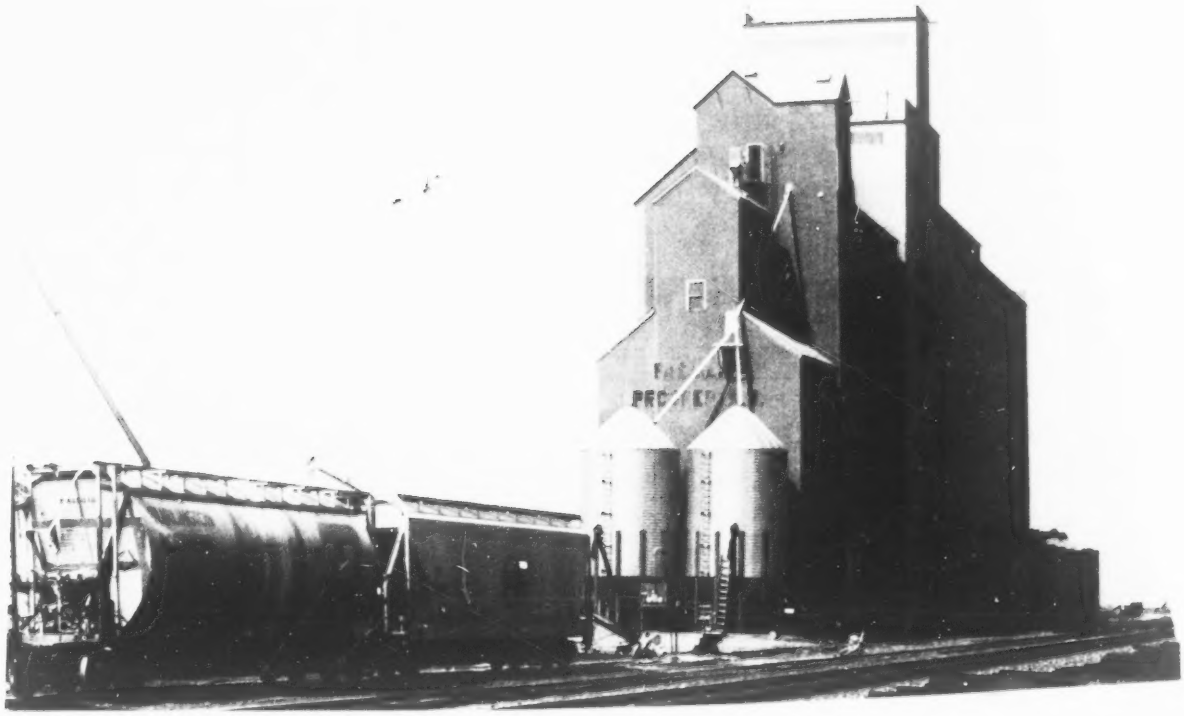
SHEEP

Sheep Inventory, North Dakota, January 1

District and County	5-Year Average 1979-83 1/	Number on Farms 1982	1983	1984
		Number of Head		
Burke	2,900	3,300	3,600	3,500
Divide	2,200	2,300	2,300	2,100
Mountrail	4,400	6,200	3,600	3,600
Renville	900	1,100	400	400
Ward	4,700	5,100	5,600	6,000
Williams	5,800	6,800	9,500	10,400
Northwest	21,000	25,000	25,000	26,000
Benson	2,600	2,900	2,100	2,200
Bottineau	3,200	3,500	2,400	2,300
McHenry	4,500	5,300	4,700	4,700
Pierce	1,800	2,200	1,200	1,300
Rolette	3,000	3,600	2,600	2,500
North Central	15,100	17,500	13,000	13,000
Cavalier	1,300	1,500	1,100	1,000
Grand Forks	2,900	3,400	2,900	2,500
Nelson	2,900	3,500	2,200	2,100
Pembina	1,800	2,200	1,300	1,400
Ramsey	1,500	1,900	1,200	1,300
Towner	3,100	3,000	4,200	4,100
Walsh	1,300	1,500	1,100	1,100
Northeast	14,700	17,000	14,000	13,500
Dunn	2,700	3,200	2,200	2,400
McKenzie	18,900	18,000	13,800	14,200
McLean	2,600	2,900	2,900	2,700
Mercer	1,600	1,900	1,200	1,100
Oliver	2,500	2,500	2,900	3,100
West Central	28,200	28,500	23,000	23,500
Eddy	6,400	6,800	5,800	5,600
Foster	4,100	5,700	3,100	3,200
Kidder	10,100	12,500	7,800	8,300
Sheridan	1,000	1,400	700	800
Stutsman	9,400	11,700	7,700	8,000
Wells	4,600	5,200	3,900	3,600
Central	35,600	43,300	29,000	29,500
Barnes	5,100	5,800	4,700	4,400
Cass	10,300	12,000	9,700	9,200
Griggs	2,500	2,900	2,500	2,100
Steele	3,400	4,000	3,000	2,800
Traill	1,700	2,100	1,100	1,000
East Central	23,000	26,800	21,000	19,500
Adams	8,200	9,300	11,200	12,000
Billings	300	400	400	400
Bowman	24,000	27,000	25,500	25,500
Golden Valley	3,300	4,000	4,000	3,900
Hettinger	1,500	2,100	1,100	1,100
Slope	3,400	3,900	3,800	3,900
Stark	2,300	2,200	2,000	4,200
Southwest	45,200	51,500	50,000	51,000
Burleigh	3,800	5,100	1,900	2,100
Emmons	1,600	2,000	1,300	1,400
Grant	8,800	10,200	5,400	5,600
Morton	6,400	7,600	5,400	6,000
Sioux	1,200	1,300	2,000	1,900
South Central	21,900	26,200	16,000	17,000
Dickey	9,800	11,600	9,100	9,400
LaMoure	6,700	8,000	6,000	5,500
Logan	2,600	3,300	2,500	2,200
McIntosh	3,200	4,000	2,200	2,200
Ransom	6,700	7,900	4,100	4,400
Richland	2,800	3,200	3,500	3,600
Sargent	4,900	6,000	3,600	3,700
Southeast	36,600	44,000	31,000	31,000
STATE	241,600	280,000	222,000	224,000

1/ Totals may not add due to rounding.

PRICES



NORTH DAKOTA PRICES

Prices received by farmers for the 1983 crop marketing season averaged higher than the levels of a year earlier for all major crops except rye and hay. The season average price for durum wheat rose 7 percent, while spring wheat was up 2 percent. Prices for other crops ranged from 10 percent lower for rye to 78 percent higher for dry edible beans.

Annual average prices for livestock and livestock products during 1983 ranged from an 18 percent decrease for turkeys to a 43 percent increase for eggs. Prices for beef cows, milk cows, hogs and wool also dropped, while average prices were up for steers and heifers, calves, lambs and chickens. Prices for sheep and wholesale milk were virtually unchanged.

Season average prices for crops are computed by weighting monthly sales by the estimated percentage of sales made each month during the marketing year. These prices include allowances for unredeemed loans and government purchases, if any. Calendar year averages are simple averages of the monthly prices listed.

Annual average prices for livestock are computed by weighting monthly prices by the estimated percentage of the calendar year sales made each month.

Prices received by farmers relate to the average price the farmer received for his product, generally at the point of first sale. The average price concept is the same as dividing the total dollars received by all farms by the total quantity of the commodity sold. Milk is an exception and is priced F.O.B. plant or receiving station.

Prices for all small grains, soybeans, dry edible beans, corn and sunflower are collected from a probability sample of mills and elevators, and are based on sales for the entire month. These prices reflect actual purchases, and include any premiums or discounts paid. Prices for potatoes and milk are also based on an entire month average. Livestock prices for beef cattle, sheep and hogs are collected in a similar manner, and reflect actual sales of livestock through auctions, dealers and commission firms.

PRICES RECEIVED INDEX

The Index of Prices Received for All Farm Products averaged 139 percent of its 1977 base during 1983, an increase of 3 percent from the average for 1982.

The All Crops Index rose 5 percent during the same period while the All Livestock and Products Index fell 1 percent from the average for 1982.

Readers should note that the indexes have been made more current by changing from a 1967 to a 1977 "base year". Figures using this base (1977=100) were compiled back to 1960.

MONTHLY AND AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMERS
FOR SELECTED CROPS, NORTH DAKOTA, 1982-83 1/

Commodity	Year 2/	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Cal.Yr. Avg. 3/
		Dollars per Bushel												
All Wheat	1982	3.57	3.59	3.55	3.62	3.62	3.53	3.46	3.34	3.30	3.32	3.40	3.28	3.47
	1983	3.30	3.27	3.49	3.78	3.85	3.85	3.82	3.88	3.85	3.78	3.78	3.59	3.69
Other Spring Wheat	1982	3.59	3.56	3.57	3.65	3.66	3.58	3.53	3.44	3.42	3.39	3.47	3.35	3.52
	1983	3.34	3.30	3.52	3.76	3.77	3.77	3.74	3.74	3.65	3.64	3.61	3.44	3.61
Durum Wheat	1982	3.53	3.62	3.47	3.53	3.51	3.42	3.26	3.08	3.08	3.16	3.22	3.15	3.34
	1983	3.19	3.18	3.45	3.83	3.93	4.00	3.95	4.11	4.08	4.01	3.97	3.81	3.79
Oats	1982	1.73	1.77	1.71	1.75	1.77	1.59	1.35	1.14	1.04	1.04	1.12	1.19	1.43
	1983	1.18	1.19	1.20	1.29	1.31	1.22	1.23	1.25	1.30	1.32	1.36	1.38	1.27
All Barley	1982	2.26	2.31	2.09	2.14	2.19	2.11	1.91	1.64	1.56	1.61	1.66	1.62	1.93
	1983	1.62	1.70	1.71	1.96	2.02	1.95	1.92	1.99	2.17	2.24	2.30	2.27	1.99
Barley, Feed	1982	1.94	2.08	1.93	1.96	1.86	1.91	1.79	1.48	1.44	1.34	1.42	1.38	1.71
	1983	1.44	1.48	1.57	1.78	1.78	1.69	1.82	1.94	2.11	2.15	2.18	2.18	1.84
Barley, Malting	1982	2.42	2.43	2.19	2.18	2.22	2.14	1.93	1.69	1.57	1.64	1.71	1.67	1.98
	1983	1.65	1.73	1.74	1.99	2.07	1.96	1.94	2.03	2.26	2.33	2.39	2.39	2.04
Rye	1982	3.05	3.28	3.33	3.40	3.15	2.95	2.21	2.06	2.04	2.21	2.00	1.91	2.63
	1983	1.82	1.80	1.62	1.82	1.54	1.64	1.69	1.69	1.89	1.82	1.73	1.73	1.73
Flax	1982	6.91	6.88	6.76	6.65	6.56	6.68	6.25	5.37	5.37	5.07	4.96	4.64	6.01
	1983	4.79	4.70	4.58	4.52	4.67	4.92	4.96	5.97	7.16	6.98	6.97	6.65	5.57
Corn	1982	2.17	2.07	2.23	2.32	2.42	2.31	2.51	2.00	2.22	1.90	1.97	1.99	2.15
	1983	1.91	2.37	2.49	2.81	2.63	2.88	2.88	3.09	3.16	2.92	3.02	2.95	2.74
Soybeans	1982	5.54	5.46	5.61	5.90	6.09	5.92	5.72	5.37	5.08	5.05	5.00	5.14	5.69
	1983	5.12	5.37	5.74	5.90	5.88	5.80	5.97	7.17	7.69	7.23	7.29	7.19	6.36
		Dollars per Hundredweight												
All Sunflower	1982	11.00	11.50	11.50	11.80	11.30	11.10	10.20	10.40	10.40	8.80	8.80	9.00	10.48
	1983	8.30	8.20	8.30	8.90	9.50	9.80	9.80	11.00	12.20	12.00	12.90	13.00	10.33
Sunflower, Oil	1982	10.90	11.40	11.40	11.60	11.20	10.80	10.10	9.80	9.90	8.40	8.40	8.70	10.22
	1983	7.80	8.00	8.10	8.70	8.80	9.10	9.50	10.90	12.60	12.00	12.90	13.00	10.12
Sunflower, Non-Oil	1982	13.50	13.80	13.50	13.30	12.40	12.10	11.90	11.90	11.90	12.00	12.20	12.10	12.55
	1983	12.20	11.60	12.80	11.20	12.40	12.30	13.00	11.30	11.40	12.20	13.80	14.00	12.35
Dry Beans	1982	17.50	14.00	14.00	10.60	11.40	9.70	9.20	15.50	13.90	11.70	9.70	9.10	12.19
	1983	8.60	8.10	8.20	8.70	11.20	12.40	12.50	15.30	22.80	21.00	20.20	18.30	13.94
Potatoes	1982	4.30	4.50	4.20	3.60	3.50	3.50	-	-	3.60	3.75	4.10	4.20	3.93
	1983	4.25	4.30	4.65	4.75	5.10	5.10	-	-	3.80	4.00	4.25	4.20	4.44
		Dollars per Ton												
All Hay, Baled	1982	59.00	58.00	55.00	54.00	57.00	53.00	42.00	46.00	45.00	45.00	41.00	42.00	49.75
	1983	39.00	38.00	37.00	38.00	38.00	35.00	38.00	35.00	36.00	37.00	40.00	41.00	37.67
Alfalfa Hay, Baled	1982	64.00	64.00	62.00	58.00	63.00	59.00	50.00	55.00	50.00	50.00	45.00	45.00	55.42
	1983	43.00	42.00	42.00	44.00	44.00	41.00	44.00	41.00	42.00	43.00	45.00	47.00	43.17
Other Hay, Baled	1982	52.00	49.00	47.00	50.00	49.00	47.00	33.00	36.00	38.00	40.00	37.00	37.00	43.00
	1983	35.00	34.00	32.00	31.00	31.00	28.00	31.00	28.00	29.00	30.00	33.00	32.00	31.17

1/ Monthly prices are open market prices and do not make an allowance for unredeemed loans. 2/ 1982 Revised, 1983 Preliminary. 3/ See page 83 for season average prices.

SEASON AVERAGE PRICES RECEIVED BY FARMERS FOR SELECTED CROPS
BY CROP REPORTING DISTRICTS, North Dakota, Crops of 1978-83 1/

Crop	Crop Year	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State Season Average
		---Dollars per Bushel---									
All Wheat	1981	3.52	3.44	3.53	3.44	3.53	3.71	3.54	3.52	3.68	3.54
	1982	3.59	3.58	3.73	3.50	3.73	3.90	3.65	3.60	3.85	3.69
	2/1983										3.82
Durum Wheat	1978	2.83	2.97	2.99	3.19	2.98	2.97	2.86	2.88	3.04	2.93
	1979	4.26	4.44	4.55	4.47	4.52	4.64	4.22	4.55	4.41	4.41
	1980	5.31	4.81	4.83	4.90	4.82	4.98	6.24	5.86	5.28	5.10
	1981	3.49	3.46	3.45	3.41	3.47	3.64	3.34	3.33	3.64	3.48
	1982	3.59	3.60	3.69	3.43	3.76	3.94	3.78	3.47	3.87	3.66
	2/1983										3.90
Spring Wheat Other Than Durum	1978	2.69	2.77	2.84	2.71	2.83	2.95	2.65	2.67	2.94	2.80
	1979	3.35	3.39	3.54	3.39	3.55	3.71	3.42	3.44	3.65	3.53
	1980	3.81	3.86	3.81	3.83	3.82	3.99	4.09	4.09	4.08	3.92
	1981	3.57	3.44	3.62	3.46	3.56	3.71	3.57	3.52	3.68	3.59
	1982	3.59	3.58	3.78	3.51	3.73	3.90	3.65	3.61	3.85	3.71
	2/1983										3.80
Oats	1978	.97	.94	1.01	.97	1.00	1.03	1.04	.92	1.03	1.00
	1979	1.14	1.14	1.12	1.11	1.12	1.17	1.20	1.15	1.18	1.16
	1980	1.74	1.70	1.57	1.76	1.83	1.90	2.31	1.98	1.76	1.77
	1981	1.72	1.59	1.55	1.47	1.56	1.69	1.69	1.50	1.64	1.63
	1982	1.18	1.12	1.23	1.05	1.20	1.36	1.12	1.14	1.38	1.20
	2/1983										1.35
Malting Barley	1978	1.73	1.75	1.77	1.84	1.84	1.95	-	1.99	1.90	1.82
	1979	1.97	2.04	2.07	1.98	2.17	2.16	2.26	1.42	2.19	2.11
	1980	2.65	2.52	2.73	2.55	2.65	2.92	2.68	2.37	2.77	2.76
	1981	2.10	2.21	2.17	2.10	2.18	2.39	2.13	-	2.35	2.25
	1982	1.86	1.78	1.85	1.69	1.98	2.06	2.02	1.49	2.12	1.94
Feed Barley	1978	1.44	1.39	1.41	1.45	1.41	1.46	1.47	1.34	1.48	1.44
	1979	1.68	1.79	1.75	1.53	1.91	1.87	1.78	1.69	1.97	1.83
	1980	2.32	2.31	2.16	2.40	2.26	2.25	2.32	2.55	2.36	2.24
	1981	1.85	1.97	1.91	1.66	1.82	1.93	2.16	1.83	1.94	1.92
	1982	1.67	1.62	1.63	1.60	1.73	1.74	1.78	1.56	1.85	1.68
All Barley	1978	1.69	1.74	1.74	1.55	1.83	1.90	1.47	1.38	1.84	1.78
	1979	1.92	2.00	2.01	1.91	2.03	2.11	1.87	1.87	2.15	2.06
	1980	2.53	2.45	2.57	2.52	2.50	2.82	2.42	2.43	2.62	2.62
	1981	2.06	2.15	2.11	1.98	2.02	2.23	2.15	1.83	2.15	2.15
	1982	1.84	1.76	1.81	1.62	1.82	2.03	1.81	1.56	2.06	1.90
	2/1983										2.25
Flaxseed	1978	5.79	5.81	6.20	5.78	5.94	6.03	5.41	5.58	5.73	5.84
	1979	5.79	5.64	5.54	5.46	5.85	5.75	5.61	6.18	5.86	5.76
	1980	7.23	7.19	7.19	7.32	7.02	7.13	7.16	7.23	7.22	7.18
	1981	6.62	6.71	6.46	6.63	6.47	6.59	6.68	6.52	6.72	6.57
	1982	5.12	5.13	5.00	4.77	5.06	5.60	5.03	4.96	5.25	5.14
	2/1983										6.80
		---Dollars per Hundredweight---									
All Sunflower	1980	10.17	10.56	11.25	10.83	11.29	11.11	10.67	10.69	11.14	11.00
	1981	10.22	10.04	11.02	9.49	9.78	11.04	9.01	9.51	11.02	10.70
	1982	7.45	7.68	9.38	11.09	8.41	9.81	6.91	7.15	10.31	8.84
	2/1983										12.60

1/ Includes allowances for loans outstanding and purchases by the government valued at the average loan and purchase rate. Does not include government payments under the disaster and deficiency payments program. 2/ Preliminary - District prices not available at this time.

SEASON AVERAGE PRICES RECEIVED BY FARMERS FOR OTHER CROPS,
North Dakota, 1978-83

Year	Rye	Corn	Soybeans	All Hay Baled	Potatoes	Sugarbeets 1/	Dry Beans
	(Bu.)	(Bu.)	(Bu.)	(Ton)	(Cwt.)	(Ton)	(Cwt.)
1978	1.69	2.06	6.75	36.00	2.60	22.90	13.50
1979	1.70	2.13	5.80	37.50	3.25	34.10	22.50
1980	2.64	2.87	7.02	75.00	6.85	46.30	24.70
1981	2.77	2.39	5.66	58.00	4.05	20.50	19.80
1982	2.01	2.69	5.41	41.50	4.35	35.70	11.30
1983 2/	1.80	3.10	7.40	38.50	4.50	-	20.10

1/ Does not include government payments. 2/ Preliminary.

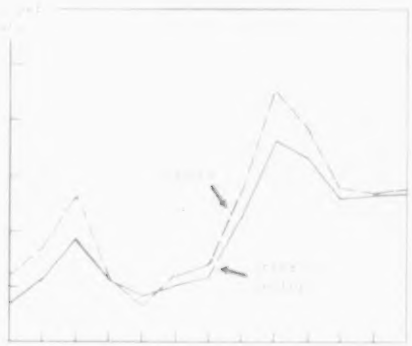
AVERAGE PRICES RECEIVED BY FARMERS FOR LIVESTOCK AND LIVESTOCK PRODUCTS,
North Dakota 1982-83

Item	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg. 1/
		- - - Dollars per 100 Pounds Live Weight - - -												
Beef Cattle	1982	47.00	50.10	56.10	55.40	56.30	53.90	53.50	54.80	54.80	52.60	45.40	47.30	52.30
	1983	53.10	58.50	60.60	60.10	56.80	52.90	50.90	50.80	48.50	45.80	46.50	49.40	52.90
Steers & Heifers	1982	54.80	56.10	59.10	60.00	61.00	60.80	59.00	62.40	60.50	59.10	58.00	57.80	58.80
	1983	61.70	64.00	64.20	63.60	61.80	59.20	56.90	55.60	52.80	53.40	56.30	59.80	59.80
Cows	1982	35.10	36.30	39.30	39.60	42.80	43.40	41.30	41.40	39.00	36.90	34.10	33.20	37.70
	1983	35.60	41.70	42.10	42.30	42.80	41.90	41.30	38.00	36.50	33.90	32.10	31.60	36.80
Calves	1982	54.40	56.30	59.40	61.10	62.90	65.50	62.80	66.30	66.40	62.50	61.80	60.50	60.10
	1983	64.60	67.60	66.50	67.70	65.80	65.00	58.70	57.50	58.00	58.20	60.50	62.40	62.80
Hogs 2/	1982	40.90	45.70	46.10	48.10	53.60	52.00	54.50	57.60	58.30	58.30	50.00	51.50	48.60
	1983	53.80	56.90	48.00	47.30	43.40	40.60	38.00	40.40	42.00	37.70	41.20	43.40	45.00
Sheep	1982	12.40	14.50	16.20	14.80	12.30	11.80	12.00	12.50	12.10	12.30	12.40	13.30	13.80
	1983	12.80	14.40	15.00	14.50	12.20	11.40	11.20	10.30	11.00	10.80	11.60	11.70	12.50
Lambs	1982	58.60	63.30	64.30	63.90	61.70	57.70	56.60	58.00	57.30	58.00	55.90	58.40	58.00
	1983	62.20	71.40	71.20	63.70	60.60	58.10	55.80	55.00	54.20	50.80	55.00	57.20	60.00
		- - - Dollars per Head - - -												
Milk Cows	1982	1/	--	--	1010	--	--	1/	--	--	1/	--	--	1/
	1983	1/	--	--	1/	--	--	1/	--	--	1/	--	--	1/
		- - - Dollars per Hundredweight - - -												
Milk, Wholesale	1982	12.90	12.50	12.60	12.50	12.40	12.10	12.10	12.00	11.90	11.80	11.80	11.90	12.20
	1983	11.80	12.20	12.40	12.60	12.70	12.70	12.70	12.60	12.60	12.40	12.30	12.30	12.50

1/ Weighted by marketings. 2/ Average calculated on marketing year (December through November). 3/ Discontinued.

AVERAGE PRICE RECEIVED BY FARMERS FOR CHICKENS, POULTRY PRODUCTS AND WOOL, North Dakota 1977-82

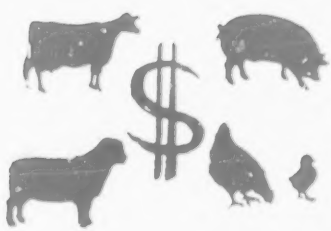
Year	Chickens	Turkeys	Eggs	Wool
	Cents per Pound Live Weight		Cents per Dozen	Dollars per Pound
1977	24.0	37.0	71	1.05
1978	25.0	37.0	80	1.05
1979	24.0	37.0	86	1.05
1980	24.0	41.0	91	1.05
1981	27.0	40.0	94	1.05
1982	32.0	41.0	94	1.05
1983	32.0	42.0	94	1.05



WAGE RATES FOR FARM LABOR
Combined Field and Livestock Workers
North Dakota, Quarterly Intervals, July 1977 - April 1982

Year	Quarterly Dates				Annual Average
	July	Oct.	Jan.	Apr.	
	- - - Dollars per Hour - - -				
1977	2.14	2.18	2.04	2.07	2.11
1978	2.30	2.31	2.21	2.25	2.27
1979	2.34	2.36	2.31	2.34	2.34
1980	2.82	2.87	2.77	2.84	2.83
1981	3.08	3.13	3.03	3.07	3.08
1982	3.17	3.12	3.03	3.05	3.09
1983	3.08	3.14	3.04	3.04	3.08
1984	3.20	3.27	NA	NA	NA
1985	- - - Estimates Discontinued - - -				

NA = Not Available.

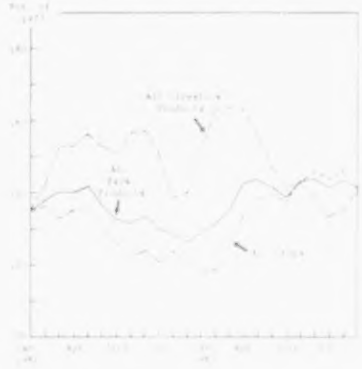


INDEXES OF PRICES RECEIVED BY FARMERS, BY MONTHS AND CALENDAR YEAR AVERAGE
North Dakota, 1982-83

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
						(1977 = 100) 1/							
1982													
All Farm Products	135	138	140	140	141	137	133	132	134	130	128	127	135
All Crops	135	136	134	135	135	131	126	122	124	121	124	121	129
Food Grains	150	151	149	152	152	148	145	140	138	139	142	137	145
Feed Grains & Hay	134	135	127	129	133	124	116	101	94	98	100	99	116
Oil Bearing Crops	105	109	109	111	107	106	98	98	97	84	84	85	99
Other Crops 2/	116	114	110	98	98	95	95	103	130	129	131	132	113
All Livestock Products	135	142	153	153	156	153	151	156	157	161	138	140	149
Meat Animals	133	142	156	156	160	156	154	160	160	152	136	140	150
Dairy Products	150	148	147	145	142	141	141	142	145	151	152	150	146
Poultry, Eggs & Wool	105	105	103	105	105	105	105	109	105	105	105	106	105
1983													
All Farm Products	128	131	135	132	143	141	139	143	144	141	143	141	139
All Crops	119	119	125	134	138	139	138	147	126	122	136	141	136
Food Grains	138	137	146	158	161	161	162	162	161	158	159	150	154
Feed Grains & Hay	97	104	106	111	118	118	118	121	129	143	145	133	119
Oil Bearing Crops	80	79	80	85	90	93	94	105	117	115	122	123	98
Other Crops 2/	121	121	125	127	136	135	139	164	143	140	143	135	134
All Livestock Products	152	163	164	163	159	147	141	142	139	134	133	142	148
Meat Animals	174	187	188	187	180	169	162	163	159	151	153	162	169
Dairy Products	126	127	127	127	124	120	120	121	127	130	131	125	124
Poultry, Eggs & Wool	101	101	104	103	104	103	103	103	103	103	103	103	103

1/ Base price is 1977 average, quantity weights based on moving three-year average sales. 2/ Potatoes, dry edible beans and sugarbeets.

Index of Prices Received,
North Dakota, 1982-83 (1977=100)



Index of Prices Received,
Annual Average All Commodities,
North Dakota, 1960-83 (1977=100)

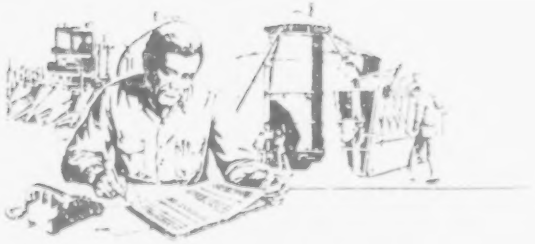
ANNUAL AVERAGE INDEXES OF PRICES RECEIVED BY FARMERS
North Dakota, 1960-83

Year	All Commodities	Crops					Livestock			
		All Crops	Food Grains	Feed Grains & Hay	Oil Bearing Crops	Other Crops	All Livestock Products	Meat Animals	Dairy Products	Poultry, Eggs & Wool
1960	49									
1961	51									
1962	51									
1963	54									
1964	54									
1965	54									
1966	57									
1967	57									
1968	57									
1969	57									
1970	57									
1971	57									
1972	61									
1973	77									
1974	91									
1975	91									
1976	94									
1977	100									
1978	111									
1979	121									
1980	124									
1981	133									
1982	135									
1983	139									

1/ Base price is 1977 average, quantity weights based on moving three-year average sales.

MID-MONTH AVERAGE PRICES PAID BY FARMERS FOR PRODUCTION ITEMS,
North Dakota, 1982-83

Item	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
		------ Dollars per Hundredweight ------												
FEEDS														
Soybean Meal	1982	14.50	14.50	14.00	13.50	14.00	14.00	13.50	14.00	13.00	13.50	13.00	12.50	13.67
	1983	12.00	12.50	12.50	13.00	14.00	13.50	14.00	14.50	16.00	15.50	16.50	16.50	14.21
Hog Grower, 14-18% Protein	1982	9.10	9.20	9.00	9.00	10.50	10.00	9.10	9.10	8.60	8.60	8.90	9.10	9.26
	1983	9.30	9.00	9.30	9.60	9.00	9.50	9.50	9.70	11.00	12.00	11.00	11.00	9.99
Beef Concentrate, 32-36% Protein	1982	10.50	10.50	10.50	10.00	10.00	10.50	11.00	10.50	10.50	10.50	11.00	11.00	10.54
	1983	12.00	11.00	10.50	11.00	10.00	10.50	10.50	10.50	11.00	11.00	11.50	11.50	10.92
		------ Dollars per Ton ------												
Dairy Feed, 16% Protein	1982	160	160	165	170	171	173	164	162	152	151	155	157	162
	1983	167	150	148	153	171	156	155	163	173	170	180	177	163
Laying Feed	1982	210	200	200	200	225	230	225	210	200	194	200	210	210
	1983	210	210	200	215	220	225	220	230	235	230	240	235	223
		/												
		------ Cents per Gallon ------												
PETROLEUM PRODUCTS														
Gasoline, Unleaded Filling Station	1982	1.370	1.350	1.310	1.230	1.250	1.320	1.350	1.340	1.350	1.340	1.330	1.310	1.321
	1983	1.260	1.250	1.190	1.250	1.250	1.290	1.350	1.360	1.360	1.330	1.340	1.310	1.297
Gasoline, Regular Bulk Delivery	1982	1.280	1.270	1.210	1.150	1.170	1.250	1.270	1.280	1.280	1.260	1.260	1.250	1.244
	1983	1.190	1.150	1.110	1.130	1.230	1.190	1.270	1.280	1.280	1.260	1.260	1.230	1.213
Diesel Fuel	1982	1.150	1.150	1.100	1.050	1.060	1.150	1.160	1.150	1.150	1.150	1.160	1.150	1.138
	1983	1.120	1.050	.980	.950	.980	1.030	1.000	1.000	1.020	1.020	1.030	1.020	1.014



AVERAGE PRICES PAID BY FARMERS FOR PRODUCTION ITEMS
North Dakota, 1982-83

Item	1982	1983	Item	1982	1983
	---dollars---			---dollars---	
FEEDS			PETROLEUM PRODUCTS AND MOTOR SUPPLIES		

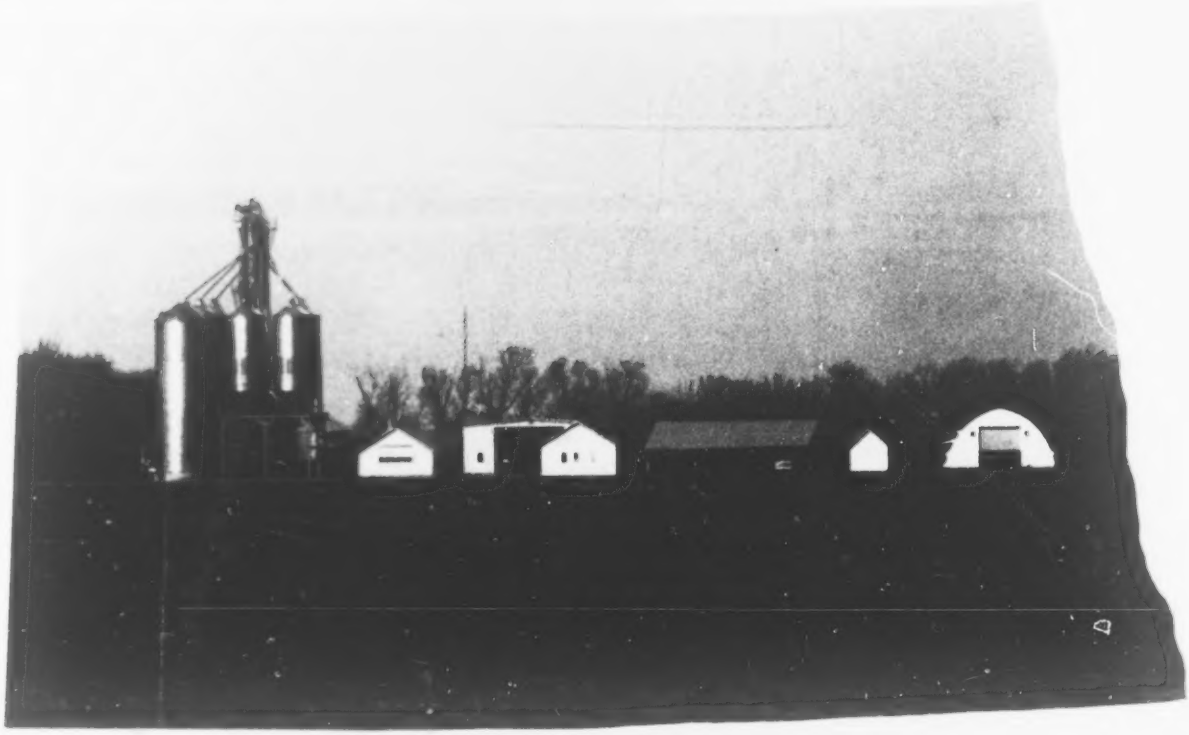
MISCELLANEOUS

FERTILIZER, FEED, EXPORTS

CROP INSURANCE

GRAIN SHIPMENTS

CUSTOM RATES



FERTILIZER, FEED SALES & EXPORTS

Consumption of Fertilizers and Plant Nutrients, North Dakota, 1974-83

Year Ended June 30	Gross Tonnages				Primary Nutrient Content			
	Mixed Fertilizer	Primary Nutrient Material	Secondary & Micro-Nutrients	Total	N	Available P_2O_5	K_2O	Total
			Tons					
1974	257,861	220,364	126	478,351	132,702	110,229	17,642	260,573
1975	224,047	239,773	123	488,943	140,663	105,613	16,460	262,735
1976	306,511	323,493	237	630,241	201,185	130,927	18,031	350,143
1977	315,687	351,345	813	667,845	229,102	140,665	18,685	388,452
1978	272,280	372,347	2,643	647,280	253,092	120,326	19,285	392,673
1979	350,760	444,739	3,653	749,172	296,860	132,609	23,487	451,456
1980	362,139	508,941	3,408	774,308	336,256	116,395	20,081	472,732
1981	269,255	465,639	2,386	736,980	317,853	119,372	22,582	457,807
1982	268,239	326,237	1,219	615,695	248,205	112,938	19,054	379,297
1983	267,312	299,482	413	568,139	216,722	112,684	17,699	347,155

Fertilizer Use on All Wheat Acreage Harvested, North Dakota, 1978-83

Year	Acres for Harvest	Fields in Survey	Acres Receiving				Rate per Acre Receiving			Acres Fertilized 1/		
			Any Fertilizer	N	P_2O_5	K_2O	N	P_2O_5	K_2O	At or Before Seeding	After Seeding	At or Before & After Seeding
	(000)	No.			Percent			Pounds			Percent	
1978	1,300	308	90.1	89.2	84.1	9.2	51.5	25.6	19.0	94.5	0.0	5.6
1979	4,395	269	67.9	65.4	55.0	9.6	41.0	28.0	17.6	85.2	1.3	13.5
1980	4,720	263	29.0	29.0	20.0	5.3	47.1	28.1	16.9	88.9	0.0	11.1
1981	11,770	257	57.0	57.0	47.3	6.8	74.6	29.4	17.1	100.0	0.0	0.1
1982	10,263	222	67.1	67.1	54.1	8.3	47.4	25.9	16.6	98.3	0.7	0.6
1983	7,114	241	71.8	71.8	60.2	11.0	46.2	27.1	15.6	98.9	1.0	0.2

1/ Percentages apply to acres receiving fertilizer.

Commercial Feed Sales by Kind, North Dakota, 1981-83

Kind of Feed	1981	1982	1983	Kind of Feed	1981	1982	1983
		Tons				Tons	
Chicken Complete	2,948	181	2,488	Mineral Feeds	1,203	1,393	5,121
Supplement	2,836	1,283	1,283	Salt, Plain	2,911	2,911	2,911
Turkey Complete	1,201	1,201	903	Salt, Iodized	2,911	2,911	2,911
Supplement	2,202	2,202	2,202	Soybeans	11,000	5,000	12,000
Swine Complete	26,000	15,000	18,000	Meat & Bone Meal			
Supplement	4,012	4,012	4,012	& Animal Products			
Beef Cattle Complete	11,000	7,000	7,000	Fish Meal &			
Supplement	17,000	17,000	17,000	Fish Products			
Dairy Complete	18,000	18,000	18,000	Milk Products			
Supplement	1,000	1,000	1,000	Molasses			
All	200	200	200				
Dog & Cat Foods	4,000	4,000	4,000				
Other Feeds	10,000	10,000	10,000				

1/ Tonnages tax paid on sales. Source: State Laboratories Dept., Fertilizer Div.

FEDERAL CROP INSURANCE DATA - 1983*

District and County	Crops Covered	Net Acres Insured	Estimated Liability	Total Premium	No. of Claims Received	Estimated Dollars of Loss	Crops Covered	Net Acres Insured	Estimated Liability	Total Premium	No. of Claims Received	Estimated Dollars of Loss
	No.	Acres	Dols.	Dols.	No.	Dollars	No.	Acres	Dols.	Dols.	No.	Dollars
			WHEAT						SUNFLOWER			
Burke	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Divide	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mountrail	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Renville	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ward	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Williams	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Northwest	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Benson	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bottineau	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
McHenry	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pierce	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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Grand Forks	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nelson	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pembina	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ramsey	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Towner	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Walsh	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Northeast	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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McKenzie	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
McLean	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mercer	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
West Central	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]

FEDERAL CROP INSURANCE DATA - 1983 (Cont.)*

District, County or Crop	Crops Covered	Net Acres Insured	Estimated Liability	Total Premium	No. of Claims Received	Estimated Dollars of Loss	Crops Covered	Net Acres Insured	Estimated Liability	Total Premium	No. of Claims Received	Estimated Dollars of Loss
	(No.)	(Acres)	(Dols.)	(Dols.)	(No.)	(Dols.)	(No.)	(Acres)	(Dols.)	(Dols.)	(No.)	(Dols.)
			BARLEY						OTHER CROPS			
Burke	80	4,340	231,854	28,734	13	13,534	31	840	35,022	6,823	4	2,734
Divide	74	3,063	200,241	23,169	32	37,029	25	842	24,960	4,307	7	5,680
Mountrail	176	9,441	521,548	67,084	49	57,373	117	3,035	134,933	25,284	17	31,975
Renville	102	11,440	846,852	73,834	11	6,082	118	3,543	134,607	15,977	7	7,235
Ward	328	12,852	774,813	84,053	31	24,114	335	8,380	348,226	38,999	36	16,379
Williams	130	5,319	306,229	38,367	48	26,056	41	1,464	74,295	8,893	17	20,349
Northwest	940	46,454	2,881,519	315,241	184	187,667	668	17,504	752,541	99,679	88	84,357
Benson	82	3,532	177,858	22,423	14	15,868	62	1,874	70,567	9,757	15	8,514
Rottineau	304	21,080	1,221,085	121,021	32	101,264	201	5,491	230,985	29,599	39	28,612
McHenry	228	9,897	595,846	57,427	17	5,259	194	5,199	188,259	22,964	24	10,372
Pierce	135	5,240	256,829	34,777	27	17,423	158	5,855	218,652	19,256	17	4,882
Rolette	59	2,532	126,159	12,814	11	12,211	24	824	30,385	1,464	9	7,380
North Central	808	43,283	2,377,777	248,462	101	161,281	638	19,998	737,128	81,440	104	60,381
Cavalier	211	11,734	1,092,140	119,796	23	10,328	114	3,941	93,222	14,756	14	15,841
Grand Forks	208	15,301	1,214,788	121,811	23	11,754	246	17,429	1,324,147	85,666	93	300,283
Nelson	171	9,282	759,134	66,871	20	18,269	117	2,358	74,545	8,640	27	9,139
Pembina	334	11,094	1,063,389	96,191	22	21,146	307	12,374	1,833,005	147,596	62	173,084
Ramsey	216	10,131	887,776	78,555	11	10,138	91	2,362	107,789	10,712	10	3,463
Towner	130	5,847	452,305	54,858	11	12,141	61	2,267	171,805	13,780	12	6,825
Walsh	177	9,412	755,674	82,751	15	7,210	162	7,940	1,519,038	126,473	36	249,250
Northeast	1,247	72,806	6,824,806	620,833	125	90,986	1,097	58,671	5,789,387	431,624	254	804,885
Eddy	56	2,554	211,580	26,014	7	24,554	4	224	27,000	4,816	4	2,363
McKenzie	34	1,727	147,558	14,154	3	11,371	14	876	33,975	2,147	2	0
McLean	144	6,914	547,772	65,219	9	3,647	146	7,341	457,639	29,330	34	27,858
Mercer	43	1,962	148,671	17,113	2	1,401	29	913	31,243	2,173	1	2,932
Oliver	30	982	68,168	8,999	2	1,149	34	2,144	96,711	11,954	5	3,556
East Central	307	14,139	1,123,749	132,499	23	42,122	326	12,512	646,568	50,420	46	36,709
Foby	34	1,534	147,881	17,411	2	11,881	4	1,381	71,500	4,888	4	4,527
Foster	48	1,886	111,885	11,041	2	1,241	37	1,554	61,682	6,114	2	810
Kidder	74	3,741	311,818	37,417	4	4,933	48	3,411	145,430	27,438	25	18,551
Sheridan	63	2,723	80,474	9,749	2	1,401	41	2,012	170,167	12,248	6	1,327
Stutsman	96	3,985	313,801	36,857	3	1,447	174	6,344	177,256	22,521	17	8,424
Wells	94	4,778	282,134	28,019	6	12,642	21	1,084	68,803	7,148	6	3,017
Central	409	19,647	930,193	140,033	19	33,545	289	15,784	672,838	80,340	60	36,656
Barnes	214	14,911	1,160,844	144,115	12	21,124	271	11,247	1,000,558	104,539	24	118,777
Cass	431	21,458	1,660,013	211,911	7	9,210	441	21,536	2,001,798	148,447	21	17,666
Griggs	61	3,112	177,884	21,796	1	1,000	76	3,442	74,264	7,914	4	2,584
Steele	74	3,139	251,241	31,911	2	1,000	80	2,140	97,312	11,468	25	20,310
Traill	74	3,981	311,624	37,818	2	1,000	59	2,253	94,127	12,980		
East Central	854	46,601	3,561,606	447,655	24	33,334	927	40,618	3,267,059	285,348	74	159,337
Adams	14	1,000	68,000	8,500	1	1,000	2	160	4,000	800	2	2,000
Billings	2	80	5,000	625			1	80	2,000	400		
Bowman	21	1,280	80,000	10,000	1	1,000	14	960	24,000	4,800		
Golden Valley	2	80	5,000	625			1	80	2,000	400		
Hettinger	19	1,120	70,000	8,750			14	960	24,000	4,800	1	2,000
Slope	1	40	2,500	313								
Stark	1	40	2,500	313			1	80	2,000	400		
Southwest	60	3,640	232,500	29,126	2	2,000	33	2,320	58,000	11,600	3	4,000
Burleigh	1	40	2,500	313			1	80	2,000	400	1	1,000
Emmons	1	40	2,500	313			1	80	2,000	400	1	1,000
Grant	1	40	2,500	313								
Morton	1	40	2,500	313			1	80	2,000	400	1	2,000
Oliver	1	40	2,500	313								
South Central	4	160	10,000	1,252			3	240	6,000	1,200	2	3,000
Dunn	1	40	2,500	313			1	80	2,000	400		
McLean	1	40	2,500	313			1	80	2,000	400	1	1,000
Mercer	1	40	2,500	313			1	80	2,000	400		
Oliver	1	40	2,500	313			1	80	2,000	400		
Sheridan	1	40	2,500	313			1	80	2,000	400		
Sioux	1	40	2,500	313			1	80	2,000	400		
Southeast	6	240	15,000	1,878			6	480	12,000	2,400	1	1,000
Logan	1	40	2,500	313			1	80	2,000	400		
McIntosh	1	40	2,500	313			1	80	2,000	400		
Sargent	1	40	2,500	313			1	80	2,000	400		
Southeast	3	120	7,500	939			3	240	6,000	1,200		
Total	4,858	246,133	18,344,650	1,975,419	1,000	1,000,000	4,000	170,000	12,000,000	1,200,000	400	400,000

LEGEND - SYMBOLS

Wheat			
Oats			
Rye			
Corn - Grain			
Corn - Silage			
Sunflowers			
Potatoes			
Hay			
Beans			
Total			

Source: Federal Crop Insurance Corporation, Kansas City, Missouri. * Data may not add due to rounding.

GRAIN SHIPMENTS

HARD RED SPRING WHEAT AND DURUM WHEAT: Shipments from Commercial Storages by County and Mode of Shipment, North Dakota, July 1, 1982 – June 30, 1983 (Preliminary) 1/

District and County	Hard Red Spring Wheat				Durum Wheat			
	Rail	Truck	C.C.C.	Total	Rail	Truck	C.C.C.	Total
	——— Bushels ———				——— Bushels ———			
Burke	1,480,990	36,988	--	1,517,978	978,554	436,708	6,337	1,419,599
Divide	384,072	249,992	44,034	678,102	3,279,886	131,555	2,952	3,413,391
Mountrail	253,614	156,130	--	409,744	5,476,333	417,667	42,056	5,936,049
Renville	772,333	1,088,333	9,883	1,870,549	1,105,306	546,808	36,543	1,688,657
Ward	5,764,067	787,263	377,986	6,929,316	6,852,736	818,436	20,229	7,693,421
Williams	6,015,000	1,063,322	23,451	7,101,573	4,092,207	919,220	3,350	5,014,777
Northwest	14,670,078	3,382,430	454,754	18,507,262	21,786,222	3,264,385	111,287	25,162,094
Benson	808,682	221,335	13,011	1,043,028	4,029,914	187,640	3,350	4,220,904
Bottineau	2,140,124	243,935	9,600	2,393,659	4,810,209	462,093	--	5,272,302
McHenry	2,465,665	837,735	7,909	3,311,109	216,425	259,929	--	476,354
Pierce	785,572	331,527	23,668	1,140,767	1,042,452	50,170	--	1,092,622
Rolette	284,474	145,524	--	429,998	1,410,311	232,205	--	1,642,516
North Central	6,484,517	1,779,856	54,188	8,318,561	11,509,311	1,192,037	3,350	12,704,698
Cavalier	2,771,380	1,062,649	36,586	3,870,665	2,757,477	252,957	52,457	3,062,891
Grand Forks	5,921,477	3,840,552	34,634	9,796,663	589,553	274,260	--	863,813
Nelson	1,561,118	849,075	98,003	2,558,196	2,543,351	365,149	13,005	2,923,505
Pembina	3,524,804	1,478,497	24,041	5,027,340	149,223	150,383	--	299,606
Ramsey	1,849,246	567,036	6,534	2,422,816	4,149,332	915,010	52,272	5,116,614
Towner	131,762	193,858	--	319,620	2,966,926	605,955	39,987	3,632,868
Walsh	9,181,774	994,733	--	10,176,807	1,387,092	43,402	--	1,423,494
Northeast	24,941,561	11,965,742	199,798	37,107,101	14,555,954	2,607,116	159,721	17,322,791
Dunn	124,133	692,638	--	816,771	9,563	14,401	--	23,964
McKenzie	1,112,607	497,299	49,916	1,659,822	209,823	283,575	--	493,398
McLean	2,129,006	2,401,963	4,030	4,534,999	2,714,540	346,553	--	3,061,093
Mercer	768,706	598,725	3,776	1,367,207	81,862	48,668	--	130,530
West Central	4,134,452	4,388,625	53,722	8,578,799	3,015,788	693,197	--	3,708,985
Eddy	455,727	350,477	--	806,204	422,394	39,652	--	462,011
Foster	1,327,840	681,082	--	2,008,922	796,506	265,838	--	1,062,344
Kidder	791,949	208,794	13,073	1,013,816	411,322	18,521	--	429,843
Sheridan	576,593	435,651	--	1,012,244	136,765	23,547	--	160,305
Stutsman	4,321,107	1,551,682	--	5,872,789	1,406,204	329,351	--	2,255,683
Wells	2,459,725	665,388	16,417	3,141,530	1,263,656	136,484	--	1,400,145
Central	9,932,941	3,893,074	31,490	13,857,505	4,436,847	833,392	--	5,770,331
Barnes	5,143,666	1,265,945	20,756	6,430,367	956,943	142,632	7,750	1,108,175
Cass	4,377,274	6,410,237	37,111	10,824,622	1,055,631	357,607	--	1,413,238
Griggs	1,934,194	991,106	20,360	2,946,160	193,240	81,131	--	274,371
Steele	3,761,147	1,251,940	--	5,013,087	547,435	71,744	--	619,179
Traill	1,825,027	1,447,716	41,071	3,313,814	326,536	443,674	--	770,210
East Central	16,841,308	11,366,944	119,298	28,327,550	3,079,785	1,096,788	7,750	4,184,323
Adams	479,628	1,000,564	--	1,480,192	183,015	101,135	--	284,150
Bowman	571,737	1,196,445	--	1,768,182	317,441	387,241	--	704,682
Golden Valley	96,000	1,421,140	--	1,517,140	448,000	77,443	--	525,443
Hettinger	1,000	2,065,000	--	2,066,000	20,000	20,542	--	40,542
Stark	8,791,993	1,280,114	--	10,072,107	411,000	187,274	--	598,274
Southwest	9,880,361	6,963,263	--	15,843,624	979,456	772,835	--	1,752,291
Burleigh	744,279	1,210,524	--	1,954,803	44,000	97,000	--	141,000
Emmons	2,547,734	1,276,000	7,000	3,830,734	1,000	140,000	--	141,000
Grant	87,000	1,000,000	--	1,087,000	200,000	74,000	--	274,000
Morton	764,000	1,284,000	--	2,048,000	200,000	74,000	--	274,000
Sioux	--	200,000	--	200,000	200,000	--	--	200,000
South Central	4,143,013	4,970,524	7,000	9,120,537	645,000	311,000	--	956,000
Dickey	1,187,247	1,000,000	--	2,187,247	200,000	74,000	--	274,000
LaMoure	2,000,000	1,000,000	--	3,000,000	200,000	74,000	--	274,000
Logan	1,000,000	1,000,000	--	2,000,000	200,000	74,000	--	274,000
McIntosh	1,000,000	1,000,000	--	2,000,000	200,000	74,000	--	274,000
Ransom	2,000,000	1,000,000	--	3,000,000	200,000	74,000	--	274,000
Richland	1,000,000	1,000,000	--	2,000,000	200,000	74,000	--	274,000
Sargent	1,000,000	1,000,000	--	2,000,000	200,000	74,000	--	274,000
Southeast	9,187,247	7,000,000	--	16,187,247	1,400,000	518,000	--	1,918,000
STATE	100,000,000	57,000,000	1,000,000	158,000,000	57,000,000	14,000,000	300,000	71,300,000

1/ Totals may not add due to rounding.
Source: Summarized by Upper Great Plains Transportation Institute from Rail Data and Commercial Records.

GRAIN SHIPMENTS CONT.

BARLEY AND OATS: Shipments from Commercial Storages
by County and Mode of Shipment, North Dakota, July 1, 1982 - June 30, 1983 (Preliminary) 1/

District and County	Barley				Oats			
	Rail	Truck	C.C.C.	Total	Rail	Truck	C.C.C.	Total
	----- Bushels -----				----- Bushels -----			
Burke	109,876	109,818	--	219,694	91,582	50,611	--	142,193
Divide	28,068	319,268	--	347,336	14,430	80,595	--	100,025
Mountrail	170,821	143,038	6,733	320,592	127,969	144,639	--	272,608
Renville	304,210	393,405	7,186	704,801	37,073	270,224	--	307,297
Ward	1,385,552	520,530	1,750	1,907,832	847,791	1,095,705	--	1,943,496
Williams	130,037	336,774	--	466,811	--	191,164	--	191,164
Northwest	2,128,564	1,822,833	15,669	3,967,066	1,118,745	1,837,938	--	2,956,683
Benson	605,867	373,482	--	979,349	60,618	58,914	--	119,532
Bottineau	3,658,346	346,001	--	4,004,347	404,751	169,148	--	573,899
McHenry	138,555	184,303	--	322,858	243,786	335,963	--	579,749
Pierce	320,796	12,364	--	333,160	148,352	66,034	--	214,386
Rolette	339,728	153,433	--	493,161	--	23,697	--	23,697
North Central	5,063,292	1,069,583	--	6,132,875	857,507	653,756	--	1,511,263
Cavalier	3,568,008	732,999	93,272	4,394,279	21,439	26,649	--	48,088
Grand Forks	5,195,958	556,811	17,200	5,770,159	84,430	65,370	--	149,800
Nelson	1,115,280	212,971	7,231	1,335,482	120,896	33,889	--	154,785
Pembina	585,676	1,372,133	29,143	1,986,952	25,093	26,140	--	51,233
Ramsey	1,910,593	458,283	10,810	2,379,683	19,552	11,055	--	30,607
Towner	1,234,589	345,887	--	1,580,476	7,809	6,360	--	14,169
Walsh	2,201,879	516,358	--	2,718,237	69,209	47,109	--	116,335
Northeast	15,811,983	4,195,539	157,920	20,165,469	348,445	216,572	--	565,017
Dunn	--	--	--	--	--	4,653	--	4,653
McKenzie	7,450	11,035	--	18,485	9,843	19,841	--	29,684
McLean	32,731	83,556	--	116,287	103,761	348,221	--	451,982
Mercer	--	--	--	--	40,240	16,101	--	56,341
West Central	40,181	94,591	--	134,772	154,844	388,116	--	542,660
Eddy	147,422	7,444	--	154,866	113,131	58,479	--	171,610
Foster	26,858	50,823	--	77,681	29,581	157,647	--	187,228
Kidder	34,092	10,140	--	44,232	60,384	15,492	--	75,876
Sheridan	33,099	75,133	--	108,232	36,217	102,872	--	139,089
Stutsman	2,561,747	1,059,749	--	3,621,496	116,132	110,609	--	226,741
Wells	304,047	212,744	6,448	523,239	33,606	76,631	--	110,237
Central	3,369,223	1,395,333	6,448	4,770,004	389,951	521,230	--	911,293
Barnes	1,457,334	736,224	50,316	2,243,874	133,513	177,765	--	311,278
Cass	9,305,607	1,064,347	14,284	10,384,238	228,166	126,075	--	354,241
Griggs	526,841	405,472	1,374	933,687	24,943	134,066	--	159,009
Steele	2,503,200	338,423	10,845	2,852,468	62,114	44,843	--	97,157
Traill	4,968,354	861,319	25,794	5,855,467	66,217	84,420	--	150,637
East Central	18,761,336	3,404,785	102,613	22,268,734	515,953	567,169	--	1,074,322
Adams	--	4,427	--	4,427	--	1,254	--	1,254
Bowman	1,777	15,288	--	17,065	--	64,647	--	64,647
Golden Valley	--	2,265	--	2,265	--	--	--	--
Hettinger	--	10,134	--	10,134	--	22,442	--	22,442
Slope	--	--	--	--	--	41,192	--	41,192
Southwest	1,777	32,114	--	33,891	--	129,535	--	129,535
Burleigh	191,131	24,447	--	215,578	--	17,884	--	17,884
Emmons	1,992	5,265	--	7,257	100,000	100,000	--	200,000
Grant	--	--	--	--	--	2,736	--	2,736
Morton	2,376	1,011	--	3,387	--	41,488	--	41,488
Sioux	--	--	--	--	--	--	--	--
South Central	195,499	30,723	--	226,222	100,000	162,108	--	262,108
Dickey	1,111,111	444,444	--	1,555,555	38,461	153,846	--	192,307
LaMoure	1,241,111	497,777	8,888	1,747,776	80,000	160,000	--	240,000
Logan	111,111	44,444	--	155,555	11,111	44,444	--	55,555
McIntosh	111,111	44,444	--	155,555	11,111	44,444	--	55,555
Ransom	1,111,111	444,444	--	1,555,555	38,461	153,846	--	192,307
Richland	1,111,111	444,444	--	1,555,555	38,461	153,846	--	192,307
Sargent	1,111,111	444,444	8,888	1,564,443	38,461	153,846	--	192,307
Southeast	6,111,111	2,444,444	17,776	8,573,331	255,506	874,226	--	1,129,732
STATE	55,444,150	15,467,944	306,406	71,218,500	3,840,951	6,031,715	--	9,872,666

1/ Totals may not add due to rounding.
Source: Compiled by Upper Great Plains Transportation Institute from Interstate Commerce Commission records.

GRAIN SHIPMENTS CONT.

SUNFLOWER, FLAXSEED AND RYE: Shipments from Commerical Storages by County and Mode of Shipment, North Dakota, July 1, 1982 - June 30, 1983 (Preliminary) 1/

District and County	Sunflower			Flaxseed			Rye		
	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total
	(Bushels)			(Bushels)			(Bushels)		
Burke	115,040	2,319	117,359	--	1,812	1,812	2,764	12,011	14,775
Divide	330,348	44,176	374,524	--	--	--	--	--	--
Mountrail	327,038	402,241	729,279	--	5,290	5,290	20,348	--	20,348
Renville	130,202	20,249	150,451	--	18,901	18,901	--	12,239	12,239
Ward	7,246,161	1,639,594	8,885,755	10,501	276,823	287,324	--	82,081	82,081
Williams	20,326	405,198	425,524	--	2,306	2,306	--	2,499	2,499
Northwest	8,169,115	2,513,779	8,682,893	10,501	305,132	315,633	23,112	110,830	133,942
Benson	3,759,759	551,102	4,301,861	49,659	77,009	126,668	--	--	--
Bottineau	3,815,031	374,394	4,192,025	11,861	185,485	197,346	85,309	123,303	208,612
McHenry	2,439,831	1,165,635	3,605,466	8,000	85,650	93,650	13,875	41,522	55,397
Pierce	1,847,884	313,827	1,334,510	2,480	110,579	113,059	10,572	27,570	38,142
Rolette	1,190,927	208,803	1,399,730	--	73,626	73,626	3,536	14,409	17,945
North Central	12,116,431	2,630,961	14,748,592	72,000	532,349	604,349	113,292	206,804	320,096
Cavalier	175,114	340,948	466,062	20,813	227,998	248,711	--	--	--
Grand Forks	2,280,474	1,656,412	3,936,886	925	57,264	58,189	7,153	1,830	8,983
Nelson	2,248,011	953,824	3,201,835	15,636	169,846	185,482	--	8,185	8,185
Pembina	735,481	314,033	1,049,514	--	71,447	71,447	--	1,807	1,807
Ramsey	3,283,179	311,228	3,594,407	137,353	184,715	322,068	18,233	19,140	37,373
Towner	93,234	48,147	141,381	3,135	122,477	125,612	--	--	--
Walsh	2,190,199	431,301	2,621,500	92,954	104,092	197,046	47,925	4,356	52,281
Northeast	11,373,140	4,236,927	16,442,583	270,816	937,839	1,208,655	71,311	37,318	108,629
Dunn	--	1,725	1,725	--	--	--	--	890	890
McKenzie	--	12,694	12,694	--	1,022	1,022	--	--	--
McLean	2,263,436	1,037,586	3,301,022	10,500	280,420	291,920	--	38,894	38,894
Mercer	166,211	2,362	168,573	--	18,318	18,318	--	830	830
West Central	2,429,647	1,054,367	3,484,014	10,500	299,760	311,260	--	40,614	40,614
Eddy	1,240	962,000	1,963,240	--	52,829	52,829	1,557	6,184	9,766
Foster	1,243,111	1,387,422	2,630,533	--	57,786	57,786	--	17,223	17,223
Kidder	69,036	22,962	91,998	27,167	62,455	89,622	--	5,300	5,300
Sheridan	45,107	27,082	72,189	--	69,485	69,485	--	1,802	1,802
Stutsman	4,271,438	2,215,549	6,486,987	11,000	190,312	201,312	46,280	28,018	74,298
Wells	2,311,661	1,260,078	3,571,739	--	109,232	109,232	5,894	14,866	20,760
Central	7,940,593	5,875,093	13,815,686	38,167	541,099	579,266	53,731	73,393	129,231
Barnes	1,851,111	1,811,289	3,662,400	16,000	321,814	337,814	1,725	7,267	9,192
Cass	4,134,114	2,693,200	6,827,314	43,000	516,863	559,863	5,237	4,241	9,478
Griggs	525,243	1,251,000	1,776,243	--	71,438	71,438	--	4,212	4,212
Steele	1,475,511	1,214,000	2,689,511	--	14,731	14,731	--	--	--
Traill	851,216	1,553,199	2,404,415	11,000	214,270	225,270	--	--	--
East Central	8,837,195	8,522,688	17,359,883	70,000	1,139,116	1,209,116	6,962	15,720	22,682
Adams	1,125	12,250	13,375	--	12,375	12,375	--	13,711	13,711
Bowman	2,500	26,500	29,000	--	14,000	14,000	15,000	14,000	29,000
Golden Valley	--	2,500	2,500	--	--	--	--	2,433	2,433
Hettinger	38,500	20,000	58,500	--	8,734	8,734	--	21,934	21,934
Stark	1,000	66,500	67,500	--	18,000	18,000	--	17,000	17,000
Southwest	43,125	127,750	170,875	--	53,109	53,109	15,000	69,078	84,078
Burleigh	1,500	1,500	3,000	1,500	4,500	6,000	2,961	--	2,961
Emmons	81,000	1,000	82,000	--	1,000	1,000	8,000	10,000	18,000
Grant	1,000	--	1,000	--	8,000	8,000	--	2,000	2,000
Morton	--	--	--	--	2,000	2,000	--	10,000	10,000
Sioux	--	--	--	--	--	--	--	1,000	1,000
South Central	83,500	2,500	86,000	1,500	15,500	17,000	10,961	23,000	33,961
Dickey	1,000	1,000	2,000	--	28,000	28,000	2,000	2,000	4,000
LaMoure	1,000	--	1,000	--	28,000	28,000	11,000	11,000	22,000
Logan	--	--	--	--	26,000	26,000	11,000	11,000	22,000
McIntosh	--	--	--	--	--	--	--	2,000	2,000
Ransom	--	--	--	--	--	--	--	2,000	2,000
Richland	1,000	1,000	2,000	--	1,000	1,000	44,000	15,000	59,000
Sargent	--	--	--	--	--	--	14,000	11,000	25,000
Southeast	2,000	2,000	4,000	--	83,000	83,000	84,000	54,000	138,000
State	52,410,747	28,963,115	81,373,862	473,484	4,107,004	4,580,488	378,408	630,770	1,009,178

1/ Data may not add to totals due to rounding.
Source: Grain Inspection, Packers and Stockyards Administration, Portland, OR. Compiled by Crop Reporting Service.

GRAIN SHIPMENTS CONT.

HARD RED SPRING WHEAT AND DURUM WHEAT: Shipments from Commercial Storages by County and Destination, North Dakota, July 1, 1982 - June 30, 1983 (Preliminary) 1/

District and County	Hard Red Spring Wheat				Durum Wheat			
	Duluth/Superior	Mpls./St. Paul	West	Misc. 2/	Duluth/Superior	Mpls./St. Paul	West	Misc. 2/
	Bushels				Bushels			
Burke	140,366	180,116	921,600	137,672	806,240	176,607	--	372,752
Divide	125,231	50,000	80,000	98,623	1,363,718	1,589,031	53,746	507,096
Mountrail	87,208	76,920	212,984	32,213	2,725,520	1,918,632	39,532	1,232,365
Renville	887,345	237,000	230,000	230,361	714,751	418,807	--	555,099
Ward	1,000,865	2,382,256	2,000,000	401,500	2,862,940	2,520,762	399,310	918,928
Williams	451,231	53,871	6,000,000	201,129	1,265,369	2,364,170	125,876	1,259,366
Northwest	2,812,446	2,980,163	11,444,584	1,101,498	11,738,993	8,988,011	618,464	4,845,626
Benson	805,252	1,000,000	2,000	84,001	2,015,253	991,868	--	604,163
Bottineau	2,007,024	50,000	500,000	57,000	1,400,000	1,400,121	33,000	933,338
McHenry	1,411,250	50,000	500,000	57,000	87,500	135,832	--	153,762
Pierce	1,000,000	500,000	--	17,000	696,000	121,731	--	276,562
Rolette	285,000	--	--	4,000	1,236,000	230,000	--	267,472
North Central	5,508,526	1,550,000	502,000	219,001	5,434,753	2,879,552	33,000	2,235,297
Cavalier	2,000,000	500,000	--	55,000	2,000,000	96,500	--	833,000
Grand Forks	1,000,000	1,000,000	--	115,000	500,000	93,000	--	296,050
Nelson	1,000,000	500,000	--	50,000	1,000,000	191,000	--	762,321
Pembina	1,000,000	1,000,000	--	50,000	500,000	56,000	--	81,905
Ramsey	1,000,000	500,000	--	50,000	1,000,000	52,000	--	621,760
Towner	500,000	500,000	--	50,000	1,000,000	53,500	--	632,868
Walsh	1,000,000	1,000,000	--	100,000	1,000,000	100,000	--	71,839
Northeast	7,500,000	5,000,000	--	470,000	6,000,000	642,000	--	3,703,863
Dunn	1,000,000	500,000	--	50,000	1,000,000	50,000	--	3,135
McKenzie	1,000,000	500,000	--	50,000	1,000,000	50,000	18,000	130,000
McLean	1,000,000	500,000	--	50,000	500,000	50,000	6,000	502,842
Mercer	1,000,000	500,000	--	50,000	1,000,000	50,000	--	4,110
West Central	4,000,000	2,000,000	--	200,000	3,500,000	200,000	24,000	640,087
Barnes	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Cass	1,000,000	500,000	--	50,000	500,000	50,000	--	42,352
Griggs	1,000,000	500,000	--	50,000	1,000,000	50,000	--	4,000
Steele	1,000,000	500,000	--	50,000	1,000,000	50,000	--	4,000
Traill	1,000,000	500,000	--	50,000	1,000,000	50,000	--	4,000
Southeast	5,000,000	2,500,000	--	250,000	4,500,000	250,000	--	184,352
Adams	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Billings	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Bowman	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Golden Valley	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Slope	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Southwest	5,000,000	2,500,000	--	250,000	5,000,000	250,000	--	650,000
Burleigh	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Emmons	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Kidder	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Logan	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
McIntosh	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
Oliver	1,000,000	500,000	--	50,000	1,000,000	50,000	--	130,000
South Central	6,000,000	3,000,000	--	300,000	6,000,000	300,000	--	780,000
Total	36,821,972	22,030,163	12,446,584	2,790,499	43,173,746	16,509,563	675,464	15,054,225

GRAIN SHIPMENTS CONT.

BARLEY AND OATS: Shipments from Commercial Storages
by County and Destination, North Dakota, July 1, 1982 - June 30, 1983 1/

District and County	Barley				Oats			
	Duluth/Superior	Mpls./St. Paul	West	Misc. 2/	Duluth/Superior	Mpls./St. Paul	West	Misc. 2/
	----- Bushels -----				----- Bushels -----			
Burke	31,750	80,767	80,984	26,193	—	119,160	21,461	1,572
Divide	16,623	3,207	254,157	73,349	—	27,916	54,179	17,930
Mountrail	38,651	115,417	113,531	56,993	8,268	203,676	25,160	35,204
Renville	70,574	198,815	84,129	341,278	—	234,448	10,247	82,602
Ward	73,461	149,655	229,225	1,455,491	105,686	1,546,195	108,729	187,926
Williams	6,937	52,662	210,857	196,355	—	4,205	137,811	48,948
Northwest	247,001	597,523	972,883	2,149,659	199,154	2,135,760	357,587	374,182
Benson	214,125	526,047	18,803	220,372	19,438	67,438	—	32,656
Bottineau	20,122	429,227	137,926	3,391,070	6,318	237,300	56,915	83,267
McHenry	29,374	90,582	48,024	154,878	23,740	422,461	23,810	107,679
Pierce	6,459	170,039	—	156,162	3,463	202,170	2,810	5,737
Rolette	32,351	216,327	6,279	237,004	—	23,837	—	—
North Central	328,933	1,432,222	211,032	4,160,486	53,019	1,125,371	83,535	229,339
Cavalier	1,064,432	1,962,393	31,266	1,336,392	15,120	34,360	—	18,628
Grand Forks	1,297,125	3,068,770	1,946	1,222,315	32,731	79,641	250	35,178
Nelson	330,042	776,401	4,525	224,434	8,226	105,383	—	41,176
Pembina	1,212,391	372,960	—	390,821	26,073	11,936	—	9,324
Ramsey	821,226	14,005,704	20,767	438,986	—	28,697	—	2,030
Towner	266,735	543,189	15,959	754,593	—	14,164	—	—
Walsh	1,206,853	1,259,026	49,609	202,853	1,085	27,385	—	67,270
Northeast	6,198,804	5,983,453	123,997	4,999,164	83,835	301,570	250	175,776
Dunn	—	—	—	—	—	2,603	—	—
McKenzie	1,040	—	13,568	2,087	2,543	2,956	15,027	6,347
McLean	1,300	37,035	39,561	38,485	—	28,153	71,671	121,356
Mercer	—	—	—	—	—	42,312	2,850	3,129
West Central	2,340	37,035	52,919	40,572	2,543	76,024	89,548	130,832
Eddy	18,145	112,688	—	22,335	10,314	59,685	—	21,958
Foster	8,085	60,670	—	12,521	1,861	29,248	—	14,132
Kidder	—	1,300	12,030	11,102	—	—	—	4,845
Sheridan	12,624	18,444	21,845	21,648	1,200	17,444	—	—
Stutsman	243,253	323,870	67,332	1,134,611	11,564	57,869	—	1,943
Wells	130,268	241,532	4,900	211,135	—	1,221	—	20,615
Central	412,375	758,504	106,107	1,413,352	24,939	165,467	—	63,493
Barnes	2,750	1,204,220	3,440	1,216,330	6,344	44,000	—	34,000
Cass	1,460,000	2,340,000	10,000	1,211,000	44,000	84,000	—	11,000
Griggs	41,000	587,000	4,000	281,000	1,000	8,000	—	10,000
Steele	46,000	600,000	24,000	1,000,000	44,000	44,000	—	1,000
Traill	40,000	2,100,000	—	2,100,000	8,000	44,000	—	11,000
East Central	1,589,750	6,831,220	41,440	5,808,330	103,344	224,000	—	67,000
Adams	—	—	2,000	—	—	—	—	—
Bowman	—	800	8,000	8,000	—	—	—	—
Golden Valley	—	—	1,000	—	—	—	—	—
Hettinger	—	—	1,000	—	—	—	—	—
Stark	—	800	12,000	8,000	—	—	—	—
Southwest	—	1,600	24,000	16,000	—	—	—	—
Burleigh	8,000	12,000	2,000	12,000	—	—	—	—
Emmons	—	2,000	1,000	—	—	—	—	—
Grant	—	—	—	—	—	—	—	—
Morton	—	—	12,000	—	—	—	—	—
Sioux	—	—	—	—	—	—	—	—
South Central	8,000	14,000	15,000	12,000	—	—	—	—
Dickey	24,000	1,000,000	—	1,000,000	—	—	—	—
LaMoure	12,000	1,000,000	—	1,000,000	—	—	—	—
Logan	1,000	1,000	—	—	—	—	—	—
McIntosh	—	—	—	—	—	—	—	—
Wagner	1,000,000	1,000,000	—	1,000,000	—	—	—	—
Richland	1,000,000	1,000,000	1,000	1,000,000	—	—	—	—
Sargent	1,000,000	1,000,000	—	1,000,000	—	—	—	—
Southeast	3,037,000	4,001,000	1,000	4,000,000	—	—	—	—
STATE	12,825,203	20,656,557	1,600,378	23,799,563	466,894	4,028,192	530,920	1,040,622

1/ Does not include shipments to Canada. 2/ Includes 1,000,000 bushels of barley and 1,000,000 bushels of oats transported from Richland County to Minnesota.

GRAIN SHIPMENTS CONT.

SUNFLOWER AND FLAXSEED: Shipments from Commercial Storages
by County and Destination, North Dakota, July 1, 1982 - June 30, 1983 (Preliminary) 1/

District and county	Sunflower				Flaxseed			
	Duluth/Superior	Mpls./St. Paul	West	Misc. 2/	Duluth/Superior	Mpls./St. Paul	West	Misc. 2/
	Bushels				Bushels			
Burke	310,744			318	812	900	--	--
Divide	132,562	8,320		207,540		--	--	--
Mountrail	238,104	2,888		241,197		1,788	--	3,502
Renville	110,042	24,880		44,954		18,901	--	--
Ward	2,588,233	1,067,644		1,331,160	60,071	212,911	--	64,034
Williams	91,109	1,992	2,112	334,420		768	--	1,541
Northwest	3,470,794	1,105,724	2,112	2,359,589	60,883	234,368	--	69,077
Benson	2,311,000	--	--	14,000	3,742	22,242	--	28,604
Bottineau	2,215,114	1,000,136	3,130	1,000,000	24,684	73,134	3,560	97,768
McHenry	3,097,000	454,000	--	1,000,000	1,000	46,000	--	45,247
Pierce	1,122,000	4,000	--	11,000	11,872	31,000	--	59,288
Rolette	525,000	40,000	--	4,000	4,000	30,000	--	45,409
North Central	9,270,114	1,498,136	3,130	2,029,000	45,298	202,376	3,560	276,316
Cavalier	1,000	1,000	--	1,000	2,000	96,000	--	125,910
Grand Forks	1,000,000	1,000,000	--	1,000	1,000	32,000	1,160	34,658
Nelson	1,000,000	1,000,000	--	1,000,000	46,000	31,000	--	69,772
Pembina	88,000	1,000	--	10,000	1,000	28,000	--	18,427
Ramsey	1,000,000	1,000	--	1,000	1,000	101,000	--	86,511
Towner	1,000,000	1,000	--	1,000	1,000	1,000	--	48,000
Walsh	1,000,000	110,000	--	1,000	1,000	1,000	--	74,000
Northeast	5,000,000	1,000,000	--	1,000,000	1,000	290,000	1,160	278,664
Divide	1,000	1,000	--	1,000	1,000	1,000	--	1,000
McKenzie	1,000	1,000	--	1,000	1,000	1,000	--	1,000
McLean	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	161,000
Mercer	1,000,000	1,000	--	1,000	1,000	1,000	--	1,000
West Central	2,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	161,000
Adams	1,000	1,000	--	1,000	1,000	1,000	--	1,000
Billings	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Bowman	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Dunn	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Golden Valley	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Hettinger	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Slope	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Stark	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Southwest	2,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Burleigh	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Emmons	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Kidder	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Logan	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
McIntosh	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Morton	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Oliver	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
South Central	2,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Barnes	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Cass	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Dickey	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Eddy	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Foster	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Griggs	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Lamoure	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Logan	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Ransom	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Richland	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Sargent	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Sheridan	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Steele	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Stutsman	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Wells	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
James River	2,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000
Total	1,000,000	1,000,000	--	1,000,000	1,000	1,000,000	--	1,000

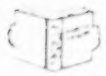
CUSTOM FARM WORK RATES

STATE-WIDE AVERAGES, NORTH DAKOTA, 1982 WITH COMPARISONS 1/

Operation	Average Rate			1982	
	1977	1980	1982	Most Frequent Rate Reported	Avg. Rate
	- - - Dollars per Acre - - -				
LAND TILLAGE					
DEEP TILLAGE					
Plowing	5.00	6.14	7.00	7.00	6.11
Alfalfa Sod Breaking	5.00	7.44	9.00	8.00	7.92
Heavy Disking	3.00	4.17	4.50	4.00	4.14
Deep Chisel	4.00	5.00	6.29	6.00	5.19
SHALLOW TILLAGE					
Sweep or Wide Sweep	3.00	3.14	3.69	3.00	3.51
One-way Disk	3.00	3.47	3.91	4.00	3.74
Single Disk	3.00	3.43	4.00	4.00	3.89
Tandem Disk	3.00	3.78	4.00	4.00	3.84
Rod Weeder	3.00	3.45	3.80	3.00	3.71
Rotary Hoe	3.00	3.43	3.67	3.00	3.71
Harrowing	3.00	3.00	3.00	3.00	3.00
Row-crop Cultivation					
Wide-row (30 in.	3.00	3.43	3.67	3.00	3.60
Narrow-row (15 in.	3.00	3.78	4.00	4.00	3.94
SMALL GRAIN SEEDING					
BROADCAST SEEDING					
With Fertilizer Appl.	3.00	3.00	3.00	3.00	3.00
Without Fertilizer Appl.	2.50	2.50	2.50	2.50	2.50
DRILL SEEDING					
With Fertilizer Appl.	3.00	3.00	3.00	3.00	3.00
Without Fertilizer Appl.	2.50	2.50	2.50	2.50	2.50
ROW CROP PLANTING					
Corn	3.00	3.00	3.00	3.00	3.00
Soybeans	3.00	3.00	3.00	3.00	3.00
Grain Sorghum	3.00	3.00	3.00	3.00	3.00
Potatoes	3.00	3.00	3.00	3.00	3.00
Sugarbeets	3.00	3.00	3.00	3.00	3.00
Sunflowers	3.00	3.00	3.00	3.00	3.00
FERTILIZER APPLICATION					
Dry Fertilizer	3.00	3.00	3.00	3.00	3.00
Liquid Fertilizer	3.00	3.00	3.00	3.00	3.00
Anhydrous Ammonia	3.00	3.00	3.00	3.00	3.00
CHEMICAL APPLICATION					
Aerial	3.00	3.00	3.00	3.00	3.00
Insecticide	3.00	3.00	3.00	3.00	3.00
Herbicide	3.00	3.00	3.00	3.00	3.00
Fungicide	3.00	3.00	3.00	3.00	3.00
Ground	3.00	3.00	3.00	3.00	3.00
Aerial	3.00	3.00	3.00	3.00	3.00
Insecticide	3.00	3.00	3.00	3.00	3.00
Herbicide	3.00	3.00	3.00	3.00	3.00
Fungicide	3.00	3.00	3.00	3.00	3.00
HARVESTING CROPS					
Combining	3.00	3.00	3.00	3.00	3.00
Wheat	3.00	3.00	3.00	3.00	3.00
Barley	3.00	3.00	3.00	3.00	3.00
Oats	3.00	3.00	3.00	3.00	3.00
Rye	3.00	3.00	3.00	3.00	3.00
Flax	3.00	3.00	3.00	3.00	3.00
Soybeans	3.00	3.00	3.00	3.00	3.00
Corn	3.00	3.00	3.00	3.00	3.00
Sunflowers	3.00	3.00	3.00	3.00	3.00
Grain Sorghum	3.00	3.00	3.00	3.00	3.00
Potatoes	3.00	3.00	3.00	3.00	3.00
Sugarbeets	3.00	3.00	3.00	3.00	3.00
Dry Beans	3.00	3.00	3.00	3.00	3.00
Peas	3.00	3.00	3.00	3.00	3.00
Sweet Corn	3.00	3.00	3.00	3.00	3.00
Peppermint	3.00	3.00	3.00	3.00	3.00
Spearmint	3.00	3.00	3.00	3.00	3.00
Mint Oil Distilling	3.00	3.00	3.00	3.00	3.00
HAYING					
Mowing	3.00	3.00	3.00	3.00	3.00
Raking	3.00	3.00	3.00	3.00	3.00
Tedding	3.00	3.00	3.00	3.00	3.00
Swathing	3.00	3.00	3.00	3.00	3.00
Windrowing	3.00	3.00	3.00	3.00	3.00

Operation	Average Rate			1982	
	1977	1980	1982	Most Frequent Rate Reported	Avg. Rate
HAYING CONT.					
BALING				- - - Dollars Bale - - -	
Square bales with twine	1.21	1.63	1.80	1.25	1.80
Round bales 400-699 lbs.	NA	4.44	4.92	5.00	4.91
Round bales 1000-1300 lbs.	4.00	5.00	5.08	5.00	5.10
Round bales over 1300 lbs.	NA	5.44	6.23	5.00	5.81
MECHANIZED LOOSE HAY STACKED				- - - Dollars Ton or Stack - - -	
Per Ton	NA	3.00	3.34	3.00	3.14
Per Stack					
1 - 2 Ton Stack	NA	12.34	17.44	15.00	17.21
3 - 5 Ton Stack	NA	15.17	23.24	25.00	21.41
More Than 5 Ton Stack	NA	NA	25.44	25.00	23.93
MAKING CORN SILAGE					
FIELD CHOPPED (NO)				- - - Dollars Unit - - -	
Per Acre	12.16	13.64	15.44	15.00	15.14
Per Hour	21.00	20.00	20.40	20.00	20.44
FIELD CHOPPED (WITH BLOWER TRUCK)					
Per Acre	NA	14.17	15.17	15.00	14.94
Per Hour	NA	40.00	48.50	50.00	48.94
FIELD CHOPPED (SELF-PROPELLED)					
Per Acre	14.74	16.11	17.19	15.00	17.00
Per Hour	32.00	35.00	38.33	40.00	37.44
DRYING GRAIN					
Wheat, All	1.48	1.75	1.75	1.50	1.73
Barley	1.41	1.64	1.64	1.50	1.63
Corn	1.54	1.84	1.83	1.50	1.83
Oats	NA	NA	1.58	1.50	1.60
Flax	NA	NA	1.75	1.50	1.71
Sunflower (per cwt.)	1.14	1.37	1.34	1.50	1.34
HAULING CHARGES					
Wheat, All	1.37	1.48	1.51	1.50	1.51
Oats	1.37	1.48	1.51	1.50	1.51
Barley	1.37	1.48	1.51	1.50	1.51
Flax	NA	NA	1.51	1.50	1.51
Corn	NA	NA	1.51	1.50	1.51
Sunflower (per cwt.)	1.37	1.48	1.51	1.50	1.51
BALED HAY				- - - Dollars Bale - - -	
Small Square Bales	1.21	1.63	1.80	1.25	1.80
Over 1000 Bales	NA	NA	1.51	1.50	1.51
Round Bales					
Under 1000 lbs.	NA	NA	1.51	1.50	1.51
Over 1000 lbs.	NA	NA	1.51	1.50	1.51
BULK HAY				- - - Dollars Ton - - -	
Loose	NA	1.48	1.51	1.50	1.51
Chopped	NA	1.48	1.51	1.50	1.51
More than 5 Miles	NA	1.48	1.51	1.50	1.51
CLEANING & TREATING				- - - Dollars Bushel - - -	
Cleaning Oats	0.10	0.10	0.10	0.10	0.10
Treating Oats	0.10	0.10	0.10	0.10	0.10
Cleaning & Treating Oats	0.10	0.10	0.10	0.10	0.10
Barley					
Cleaning Only	0.10	0.10	0.10	0.10	0.10
Treating Only	0.10	0.10	0.10	0.10	0.10
Cleaning & Treating	0.10	0.10	0.10	0.10	0.10
MISCELLANEOUS				- - - Dollars Head - - -	
Cattle					
Dip	0.25	0.25	0.25	0.25	0.25
Spray	0.25	0.25	0.25	0.25	0.25
Dust	0.25	0.25	0.25	0.25	0.25
Sheep					
Dip	0.25	0.25	0.25	0.25	0.25
Spray	0.25	0.25	0.25	0.25	0.25
Dust	0.25	0.25	0.25	0.25	0.25
Hogs					
Dip	0.25	0.25	0.25	0.25	0.25
Spray	0.25	0.25	0.25	0.25	0.25
Dust	0.25	0.25	0.25	0.25	0.25
Grain Drill Fill	0.25	0.25	0.25	0.25	0.25
Fence Repair				- - - Dollars Hour - - -	
Fence Repair Charge	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Tractor	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace	3.00	3.00	3.00	3.00	3.00
Fence Repair Charge with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence Corner Brace & Fence Line Brace & Fence Line Brace with Truck & Tractor & Helper & Post Hole Digger & Post Driver & Wire Stretcher & Staple Puller & Fence Charger & Fence Tester & Fence Insulator & Fence Wire & Fence Post & Fence Staple & Fence Gate & Fence

WHERE TO FIND HISTORIC COUNTY ESTIMATES



Item									
Oats							1976-79	1980	1981
Barley							1976-79	1980	1981
Rye							1976-79	1980	1981
Sugarbeets						1958-75	1976-79	1980	1981
Sunflower						1969-75	1976-79	1980	1981
Dry Edible Beans							1977 79	1980	1981
Dry Field Peas 4/						1959-69			
LIVESTOCK INVENTORY									
Cattle, All								1980	1981
Hogs, All	1925-60	1961-66	1967-70		1972-75		1976-79		1980
Sheep, All	1925-40				1971-76		1977-80		1981
Stock Sheep 5/	1941-60	1961-66	1967-71		1972-75				
Horses, All	1925-49	- - - - - - - - County Estimates Discontinued after 1949 - - - - - - - -							

*Agricultural Statistics No. 2. 1/ Supply exhausted. Photocopies can be obtained through a local printer for approximately $10-12. 2/ Included in Other Spring wheat prior to 1964. 3/ State estimates 1924-51. 4/ Estimates discontinued after 1966. 5/ County estimates discontinued after 1971. 6/ County estimates discontinued after 1971.